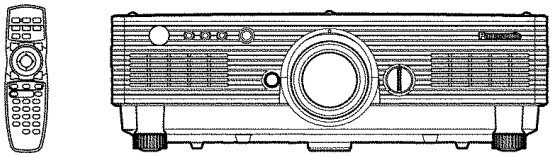
ORDER NO. VED0706378C0
D10

Service Manual

DLP Based Projector

PT-D5700U
PT-D5700E
PT-D5700UL
PT-D5700EL
PT-DW5100U
PT-DW5100E
PT-DW5100UL
PT-DW5100EL



Panasonic

The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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CAUTION
Lithium Battery
Risk of explosion if battery is replaced by an incorrect type. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.
(See also Operating Instructions.)

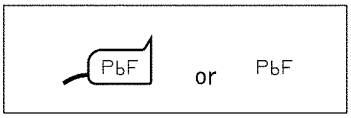
Precaution
If using of this projector at high elevations (above 1 400 m), set ALTITUDE in OPTION2 menu to HIGH.
Failure to observe this may cause malfunctions.
Never use this projector at an elevation of 2 700 m or higher.
Using this projector at high elevations, consult your dealer or Authorized Service Center about preparations.

About lead free solder (PbF)

This projector is using the P.C.Board which applies lead free solder. The use of lead free solder is recommended from the standpoint of antipollution for the global environment in service.
Notes:

- Lead free solder: Sn-Ag-Cu (tin, silver and copper) has a higher melting point (approx. 217℃) than standard solder. Typically, the melting point is 30℃ to 40℃ higher. When servicing, use a high temperature soldering iron with temperature limitation function and set it to 370±10℃.
- Be precautions about lead free solder: Sn-Ag-Cu (tin, silver and copper) will tend to splash when heated too high (approx. 600℃ or higher).
- Use lead free solder for the P.C.Board (specified on it as "PbF") which uses lead free solder. (When you unavoidably use lead solder, use lead solder after removing lead free solder. Or be sure to heat the lead free solder until it melts completely, before applying lead solder.)
- After soldering to double layered P.C.Boards, check the component side for excess solder which may flow onto the opposite side.

About the identification of the lead free solder P.C.Board
For the P.C.Board which applies lead free solder, the symbol as shown in the figure below is printed or stamped on the surface or the back of P.C.Board.



For US

IMPORTANT SAFETY NOTICE

There are special parts used in Panasonic DLP Projectors which are important for safety. These parts are shaded on the schematic diagram. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of PANASONIC BROADCAST & TELEVISION SYSTEMS COMPANY.

WARNING:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any unauthorized changes or modifications to this equipment will void the users authority to operate.

CONTENTS

1 Safety Precautions

1.1. General Guidelines

- For continued safety, no modification of any circuit must be attempted.
- Unplug the power cord from the power outlet before disassembling this projector.
- Use correctly the supplied power cord and must ground it.
- It is advisable to use an isolation transformer in the AC power line before the service.
- Be careful not to touch the rotation part (cooling fan, etc.) of this projector when you service with the upper case removed and the power supply turned ON.
- Observe the original lead dress during the service. If a short circuit is found, replace all the parts overheated or damaged by the short circuit.
- After the service, all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations must be properly installed.
- After the service, check the leakage current to prevent the customer from getting an electric shock.

1.2. Leakage Current Check

1. Prepare the measuring circuit as shown in Fig.1.

   Be sure to use a voltmeter having the performance described in Table 1.

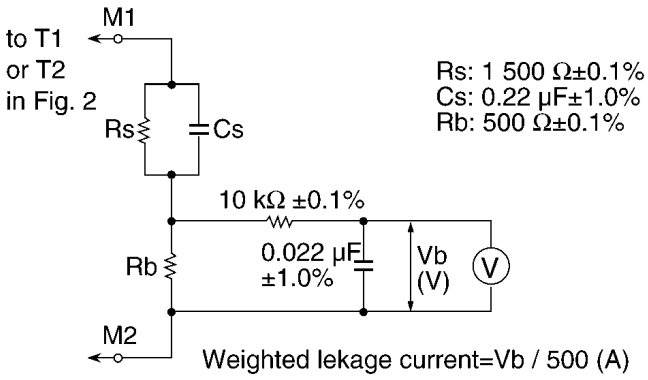


Fig. 1

	Performance
Voltmeter (rms reading)	Accuracy: ≤ 2% Input resistance: ≥ 1 MΩ Input capacitance: ≤ 200 pF Frequency range: 15 Hz to 1 MHz

Table 1

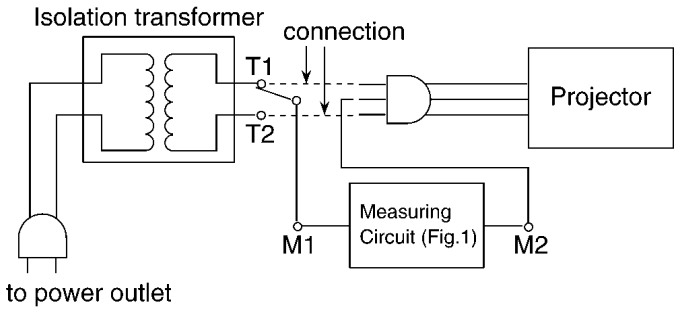


Fig. 2

2. Assemble the circuit as shown in Fig. 2. Plug the power cord in a power outlet.
3. Connect M1 to T1 according to Fig. 2 and measure the voltage.
4. Change the connection of M1 from T1 to T2 and measure the voltage again.
5. The voltmeter must read 0.375 V or lower in both of steps 3 and 4. This means that the current must be 0.75 mA or less.
6. If the reading is out of the above standard, the projector must be repaired and rechecked before returning to the customer because of a possibility of an electric shock.

1.3. UV Precaution and UHM Lamp Precautions

- Be sure to unplug the power cord from the power outlet when replacing the lamp.
- Because the lamp reaches a very high temperature during its operation, wait until it cools completely when replacing the Lamp Unit.
- The lamp emits small amounts of UV-radiation, avoid direct-eye contact with the light.
- The lamp unit has high internal pressure. If improperly handled, explosion might result.

2 Specifications

Model No.	PT-D5700U/E	PT-D5700UL/EL	PT-DW5100U/E	PT-DW5100UL/EL
Power supply	AC 120 V, 50 Hz/60 Hz (D5700U/UL, DW5100U/UL) AC 220 V-240 V, 50 Hz/60 Hz (D5700E/EL, DW5100E/EL)			
Power consumption	770 W (about 10 W in standby without fan running): (D5700U/UL, DW5100U/UL) 750 W (about 15 W in standby without fan running): (D5700E/EL, DW5100E/EL)			
Amps	Maximum 8 A: (D5700U/UL, DW5100U/UL) Maximum 4 A: (D5700E/EL, DW5100E/EL)			
DLP® panel Panel size	0.7 inch (aspect ratio 4:3)		0.65 inch (aspect ratio 15:9)	
Display system	DLP® chip x 1, DLP® type			
Number of pixels	786 432 pixels (1 024 x 768 dots)		983 040 pixels (1 280 x 768 dots)	
Lens Powered zoom Powered focus control	1 to 1.32 F=1.7 to 2.0 f=25.6 mm to 33.8 mm	Option	1 to 1.32 F=1.7 to 2.0 f=25.6 mm to 33.8 mm	Option
Projection lamp	2 bulbs x 275 W UHM lamp			
Optical output	6 000 lm*1		5 500 lm*1	
Applicable scanning frequency For video signal (S-video included) For RGB signal For DVI-D signal For YPBPR signal	Horizontally 15.73 kHz/15.63 kHz, vertically 59.94 Hz/50 Hz Horizontally 15 kHz-91 kHz, vertically 50 Hz-85 Hz, Panasonic Intelligent Auto Scanning (PIAS) system Dot clock frequency Less than 150 MHz Compliant with HDCP*2 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p VGA60, SVGA60, XGA50, XGA60, XGA70, XGA75, XGA85, XGA89, WXGA768/50, WXGA768/60, SXGA60 [480i], horizontally 15.73 kHz, vertically 59.94 Hz [480p], horizontally 31.5 kHz, vertically 59.94 Hz [576i], horizontally 15.63 kHz, vertically 50 Hz [576p], horizontally 31.25 kHz, vertically 50 Hz [720/60p], horizontally 45 kHz, vertically 60 Hz [720/50p], horizontally 37.5 kHz, vertically 50 Hz [1080/60p], horizontally 67.5 kHz, vertically 60 Hz [1080/50p], horizontally 56.25 kHz, vertically 50 Hz [1035/60i], horizontally 33.75 kHz, vertically 60 Hz [1080/60i], horizontally 33.75 kHz, vertically 60 Hz [1080/50i], horizontally 28.13 kHz, vertically 50 Hz ・HD/SYNC, VD terminals are not compliant with 3 value composite SYNC.			
Color system	7 standards (NTSC/NTSC4.43/PAL/PAN-N/PAL-M/SECAM/PAL60)			
Screen size	50 inch - 600 inch			
Screen aspect ratio	4:3		15:9	
Projection scheme	Menu-selectable from front/rear/ceiling mount, and floor standing			
Contrast ratio	2 000:1 (when "HIGH" is selected as the "CONTRAST MODE" setting)			
Interface ports RGB1 input terminal	1 set, BNC x 5 [For YPBPR input] Y: 1.0 V[p-p] synchronization signal included, PBPR: 0.7 V[p-p] 75 Ω [For RGB input] 0.7 V[p-p] 75 Ω For G-SYNC: 1.0 V[p-p] 75 Ω HD/SYNC: TTL, high-impedance, positive/negative polarity automatically adjusted VD: TTL, high-impedance, positive/negative polarity automatically adjusted ・HD/SYNC, VD terminals are not compliant with 3 value composite SYNC.			

*1 These values are for the lens provided with the PT-D5700**/DW5100**. Note that these values change according to the lens used.

*2 HDCP (High-bandwidth Digital Content Protection)
HDCP is digital video signal encryption system developed with the aim of protecting digital content.

Model No.	PT-D5700U/E	PT-D5700UL/EL	PT-DW5100U/E	PT-DW5100UL/EL
Interface ports				
RGB2 input terminal	1 set of high-density, D-sub 15p (female) [For YP_BP_R input] Y: 1.0 V [p-p] synchronization signal included, P_BP_R: 0.7 V[p-p] 75Ω [For RGB input] 0.7 V[p-p] 75 Ω For G-SYNC: 1.0 V[p-p] 75 Ω HD/SYNC: TTL, high-impedance, positive/negative polarity automatically adjusted VD: TTL, high-impedance, positive/negative polarity automatically adjusted ・HD/SYNC, VD terminals are not compliant with 3 value composite SYNC.			
Video input terminal	1 set BNC 1.0 V[p-p] 75Ω			
S-video input terminal	1 set Mini DIN 4p Y 1.0 V[p-p] C 0.286 V[p-p] 75 Ω Compliant with S1 signals			
Serial input/output terminal	1 set each for D-sub 9-pin (male/female), RS232C compliant Used for personal computer control			
Remote1 input/output terminal	1 set each for M3 stereo mini jack Wired remote control, used for link control			
Remote2 terminal	1 set D-sub 9-pin (female) Used for external control			
DVI-D input terminal	1 set DVI-D 24-pin Signal link, compatible with HDCP			
LAN terminal	RJ-45 Compliant with PJLink™			
Length of power supply cord	3.0 m			
Cabinet	Molded resin			
Outside dimensions	Width: 530 mm ; Height : 167 mm; Depth: 425 mm			
Mass	13.9 kg	13.1 kg	13.9 kg	13.1 kg
Working environment condition	*3 Ambient temperature: 0 to 45°C Ambient humidity: 20 to 80% (no condensation)			
Remote control				
Power source	3 V DC (two AA dry cells)			
Operation range	approx. 30 m (in front of beam receiver)			
Mass	134 g (including dry cells)			
Outside dimensions	Width: 51 mm, Thickness: 23 mm , Depth: 176 mm			
Option				
Hanging attachment (For high ceiling)	: ET-PKD56H			
Hanging attachment (For low ceiling)	: ET-PKD55S			
Projection lens	: PT-D5700U/UL, PT-D5700E/EL ET-DLE100, ET-DLE200, ET-DLE300, ET-DLE400, ET-DLE050 PT-DW5100U/UL, PT-DW5100E/EL ET-DLE100, ET-DLE200, ET-DLE310, ET-DLE410, ET-DLE050			
Replacement lamp unit	: ET-LAD57 (single bulb), ET-LAD57W (double bulbs)			

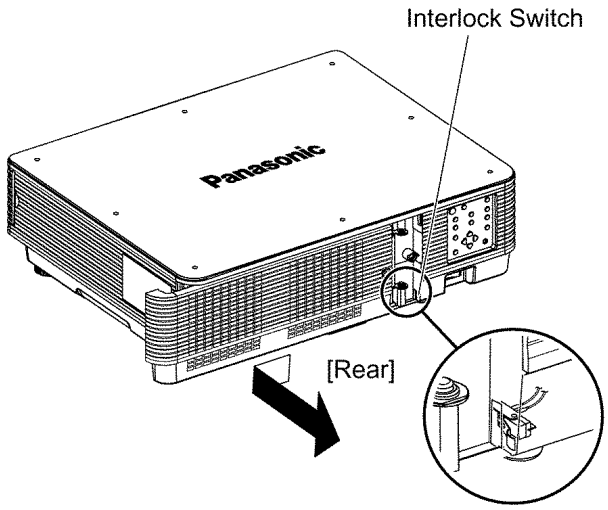
・The outside dimensions do not include the lens and other protruding parts.

*3 When using the projector at high altitudes (1 400 to 2 700 m), the upper limit for the ambient temperature drops by 5 °C.

3 Function for Safety

3.1. Interlock Switch

To ensure safety, the protection circuit of the main unit functions, and this projector becomes operation halt condition (a part of circuit is energizing) when the lamp unit cover is removed or installed incorrectly.

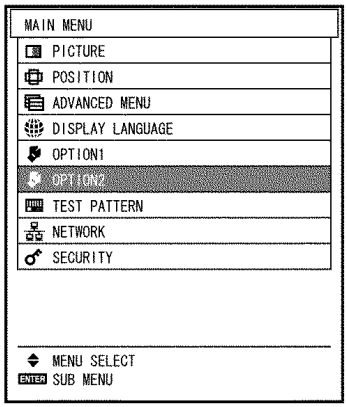


4 Serviceman Mode

This projector has Serviceman Mode in addition to standard on-screen menus (User Mode).

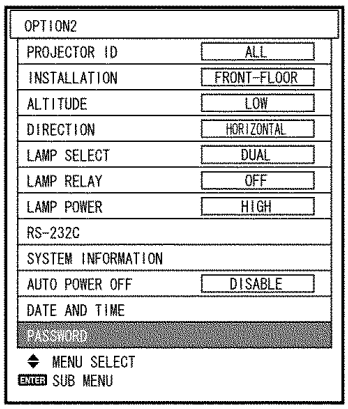
4.1. Setting to Serviceman Mode

(1) Press the MENU button.
The MAIN MENU screen will appear.

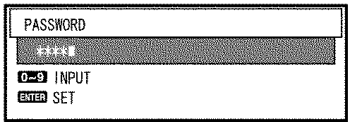


(2) Select “OPTION2” using the ▲ or ▼ buttons and press the ENTER button.
The OPTION2 screen will appear.

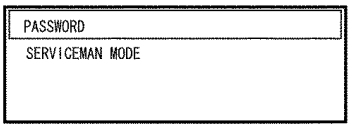
(3) Select “PASSWORD” using the ▲ or ▼ buttons and press the ENTER button.
The PASSWORD screen will appear.



(4) Input the password "1565" by remote control unit and press the ENTER button.
Note:
・Asterisk (*) will appear for the password numbers.

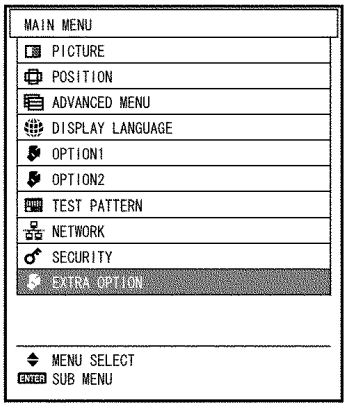


(5) Press the MENU button.



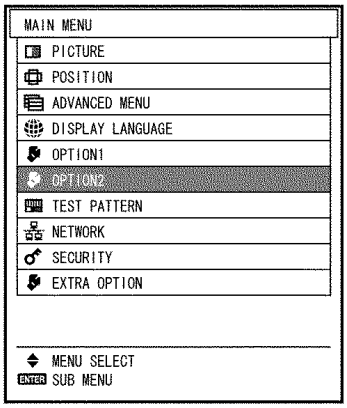
Note:

・"SERVICEMAN" will appear in a few seconds, then appear the MENU display as shown in right.

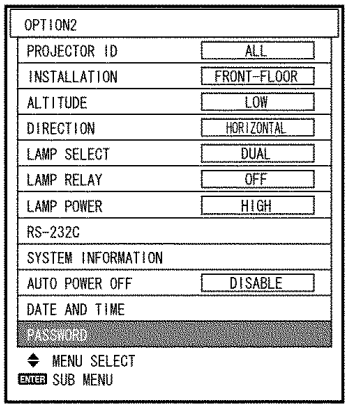


4.2. Resetting to User Mode

(1) Press the MENU button.
The MAIN MENU screen will appear.



(2) Select “OPTION2” using the ▲ or ▼ buttons and press the ENTER button.
The OPTION2 screen will appear.

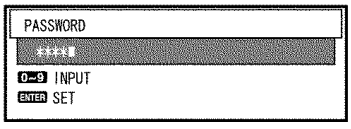


(3) Select PASSWORD using the ▲ or ▼ buttons and press the ENTER button.
The PASSWORD screen will appear.

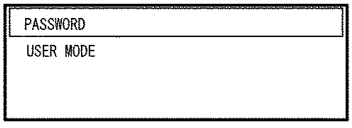
(4) Input the password "0000" by remote control unit and press the ENTER button.

Note:

・Asterisk (*) will appear for the password numbers.

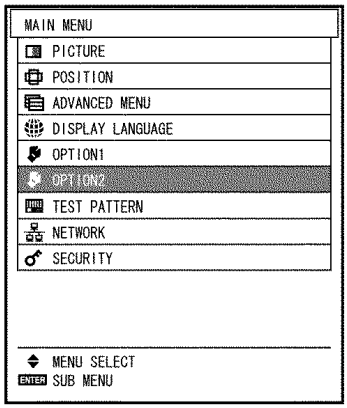


(5) Press the MENU button.



Note:

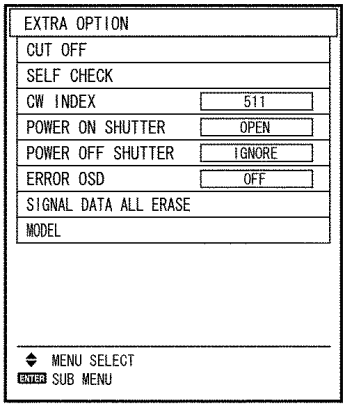
・"USER" will appear in a few seconds, then appear the MENU display as shown in right.



4.3. Functions in Serviceman Mode

4.3.1. EXTRA OPTION

"EXTRA OPTION" is added to the MENU.

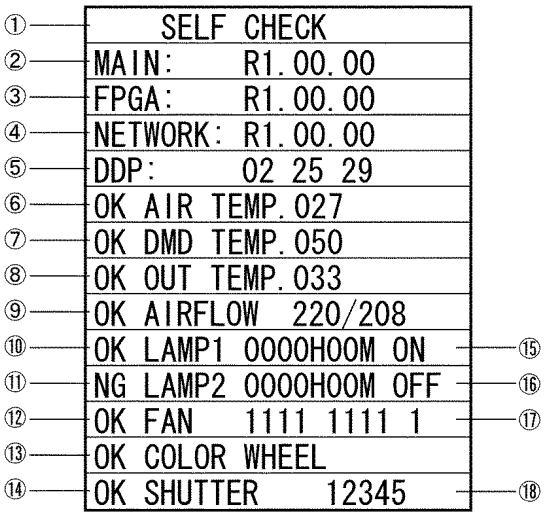


1. CUT OFF

   Sets the display ON/OFF for each color (R, G, B).

2. SELF CHECK

Displays SELF CHECK.



	Display Contents	Remarks
①	Title	
②	Main CPU Version Display	
③	FPGA Version Display	
④	Network CPU Version Display	
⑤	DDP Version Display	
⑥	Intake Air Temperature	Celsius display
⑦	DMD Temperature	Celsius display
⑧	Exhaust Air Temperature	Celsius display
⑨	Airflow Sensor (Current airflow value / Required airflow value)	NG means the air filter may accumulate dust.
⑩	Lamp Unit 1 Abnormality Check	OK: Normal NG: Lighting failure
⑪	Lamp Unit 2 Abnormality Check	
⑫	Fan Abnormality Check	OK: Normal NG: Stop
⑬	Color Wheel Abnormality Check	OK: Normal NG: Stop
⑭	Shutter Abnormality Check	OK: Normal NG: abnormality
⑮	Lamp Unit 1 Cumulative Usage Time State of Lighting	Cumulative usage time: Conversion time
⑯	Lamp Unit 2 Cumulative Usage Time State of Lighting	ON: Lighting OFF: Turning off
⑰	Fan Individual Abnormality Check 1 1 1 1 1 1 1 1 1 Rod Fan Lamp 2 Exhaust Fan Lamp 1 Exhaust Fan Power Fan Ballast Fan Lamp 1 Intake Fan Lamp 2 Intake Fan Liquid-cooled Pump Color Wheel Fan	1: Normal 0: Stop
⑱	Shutter Operation Times	It is reset when DEFAULT button on the remote control unit is pressed 3 seconds or longer.

3. CW INDEX

When the color wheel is replaced, adjusts it with ◀ and ▶ buttons.

a. Display the test pattern 9 (Red & Blue pattern).

b. Confirm whether there is a horizontal line.

c. If a horizontal line is in the red area, decrease CW INDEX setting value by 1, and record the value where the horizontal line (in both red area and blue area) disappears. (The recorded value is assumed to "A".)

d. If a horizontal line is in the blue area, increase CW INDEX setting value by 1, and record the value where the horizontal line (in both red area and blue area) disappears. (The recorded value is assumed to "B".)

e. Set the mean value (omission below decimal point) of "A" and "B" to the CW INDEX setting value.

4. POWER ON SHUTTER
   - OPEN: Opens the shutter when power ON.
   - CLOSE: Closes the shutter when power ON.
5. POWER OFF SHUTTER
   - IGNORE: Does not control the shutter when power OFF.
   - OPEN: Opens the shutter when power OFF.
   - CLOSE: Closes the shutter when power OFF.
6. ERROR OSD

   Displays the lamp status with OSD when you do not see the status LED lights because the rear projection, etc.

OSD	OFF		ON	
ERROR OSD	OFF	ON	OFF	ON
To the shutdown within 200 hours	No OSD display		"REPLACE LAMP" is displayed for 30 seconds or until any key is pressed.	
Excess to the shutdown time	No OSD display		"REPLACE LAMP" is displayed until any key is pressed.	
Lighting failure	No OSD display		No OSD display	"LAMP1 ERROR" or "LAMP2 ERROR" is displayed until any key is pressed.
Lamp burn-out	No OSD display		No OSD display	"LAMP1 ERROR" or "LAMP2 ERROR" is displayed until any key is pressed.

7. SIGNAL DATA ALL ERASE

   Resets the setting value of each signal to the initial value of the factory shipment.
8. MODEL

   Sets the model name.
   - Set it when you install a new A-P.C.Board without maintenance (data transfer or IC replacement) of adjustment data etc. according to the paragraph 7.2.1.

     * Never set it to a model name different from the model that installs the new A-P.C.Board. If a different model name is set, it becomes impossible to output normal pictures after the next startup.

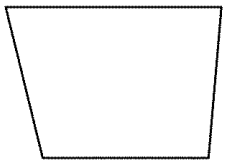
     * When a new A-P.C.Board is installed without maintenance of adjustment data, it is required to adjust the color wheel.

4.3.2. SUB KEYSTONE

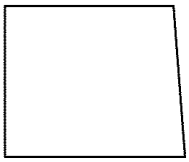
"SUB KEYSTONE" is added to KEYSTONE in the "POSITION" menu.

If KEYSTONE and "Lens shift" are used at the same time, the right and left is corrected in the unbalance.

At this time, only the right side can be corrected by SUB KEYSTONE.



1. The left side is adjusted straight by KEYSTONE.



2. The right side is adjusted straight by SUB KEYSTONE.

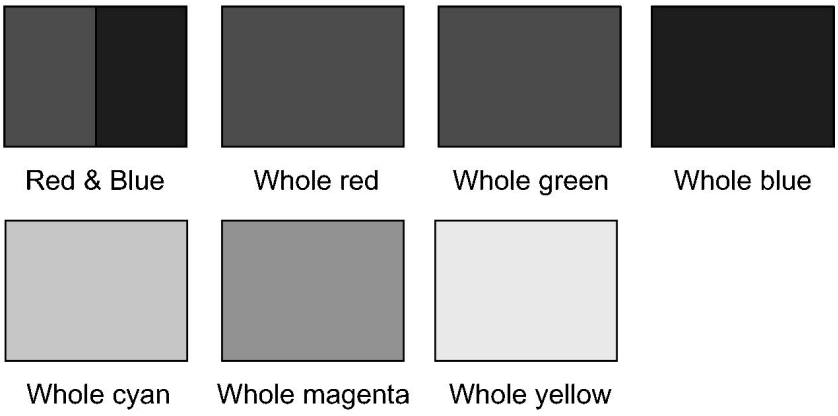
Note:

- SUB KEYSTONE is a supplementary adjustment function and there is no guaranty of completely functioning. Use it within the range where the trouble such as deforming the shape of the image does not occur.

4.3.3. Test Pattern Addition

"Red & Blue", "Whole red", "Whole green", "Whole blue", "Whole cyan", "Whole magenta" and "Whole yellow" patterns are added to the test pattern.

"Red & Blue" is used for CW INDEX adjustment.



4.3.4. Ye MODULATE Addition

When the PICTURE MODE menu is displayed, it is enabled to be adjusted with the ENTER button.

- ON: Validates Ye MODULATE function.
- OFF: Invalidates Ye MODULATE function.

4.3.5. FRAME LOCK

When the input signal is RGB, FRAME LOCK is added to the POSITION menu.

4.3.6. ADVANCED MENU Addition

The following 3 items are added to ADVANCED MENU.

1. 480i SD

   When non-standard signal of 480i/576i is inputted (AV amplifier, etc.), synchronization might be disordered according to connected equipment. In this case, set 480i SD to ON.

2. 480p OS

   When 480p/576p is received, aliasing noise (longitudinal striated beat noise) might be generated according to connected equipment. In this case, set 480p OS to ON. However, the resolution decreases a little.

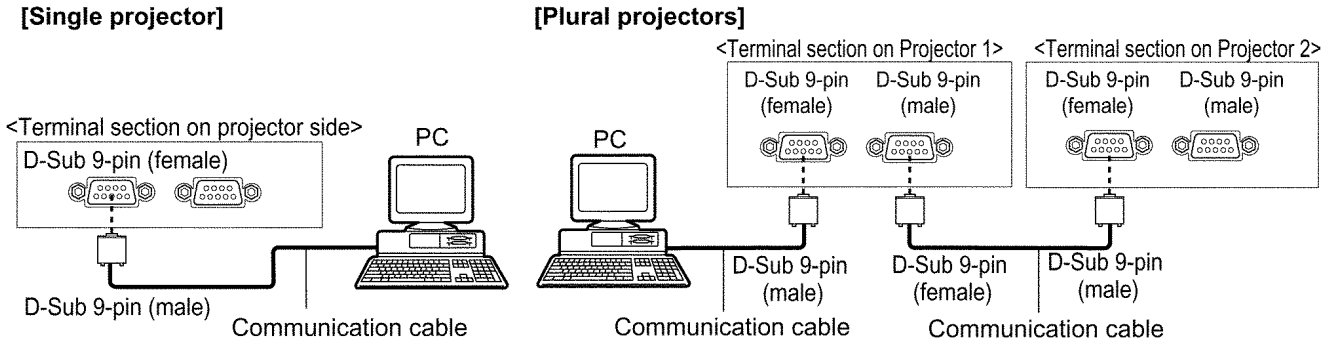
3. HPLL

When non-standard signal of VIDEO/S-VIDEO is inputted (VTR, VHD, etc.), horizontal synchronization might be disordered according to connected equipment. In this case, set HPLL to OFF.

5 Using the Serial Terminals

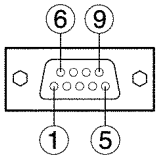
SERIAL terminals which are on the side-mounted connection terminals conform to RS-232C standard. This projector can be controlled by a PC which is connected as shown below. Also SERIAL OUT terminal is provided to enable plural projector control.

5.1. Examples of Connection



5.2. Pin Assignments and Signal Names

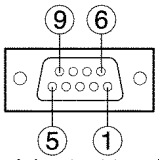
D-Sub 9-pin (female), external appearance



Serial input terminal

Pin No.	Signal name	Description
①		NC
②	TXD	Send data
③	RXD	Receive data
④		Connected internally
⑤	GND	Ground
⑥		NC
⑦	CTS	Connected internally
⑧	RTS	
⑨		NC

D-Sub 9-pin (male), external appearance



Serial output terminal

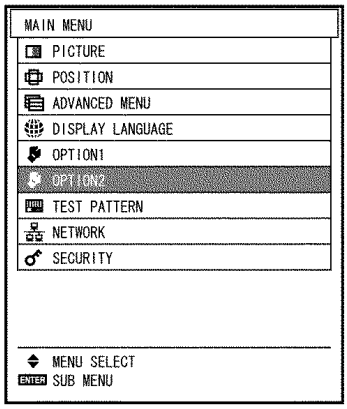
Pin No.	Signal name	Description
①		NC
②	RXD	Receive data
③	TXD	Send data
④		NC
⑤	GND	Ground
⑥		NC
⑦	RTS	Connected internally
⑧	CTS	
⑨		NC

5.3. Communication Conditions (Factory Setting)

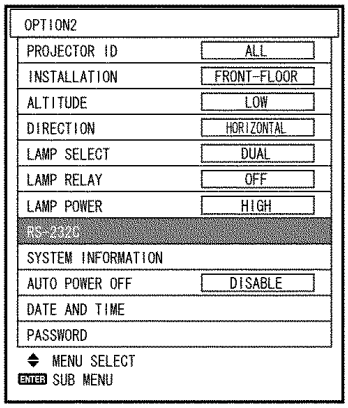
Signal level	RS-232C-compliant
Synchronization method	Start-stop synchronization
Baud rate	9 600bps
Parity	None
Character length	8 bits
Stop bit	1 bit
X parameter	None
S parameter	None

5.4. Procedure of Communication Condition Settings

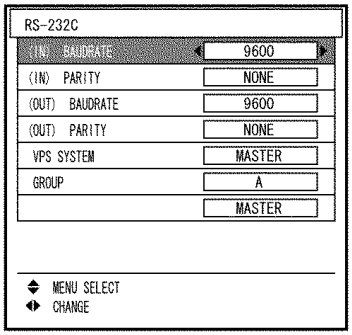
(1) Press the MENU button.
The MAIN MENU screen will be displayed.
(2) Press the ▲ and ▼ buttons to select “OPTION2”.



(3) Press the ENTER button.
(4) Press the ▲ and ▼ buttons to select “RS-232C”.



(5) Press the ENTER button.
The RS-232C screen will be displayed.
(6) Press the ▲ and ▼ buttons to select communication conditions.
(7) Press the ◀ and ▶ buttons to confirm the setting..
(8) Press the MENU button three times.
The on-screen indications disappear, and the system returns to the normal screen.

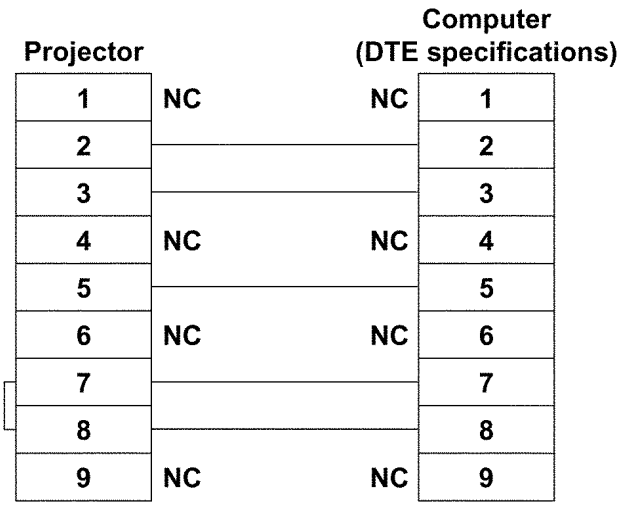


5.5. Control commands

PrintDB
Refer to "Control Commands".

5.6. Cable specifications

<Connecting to a PC>



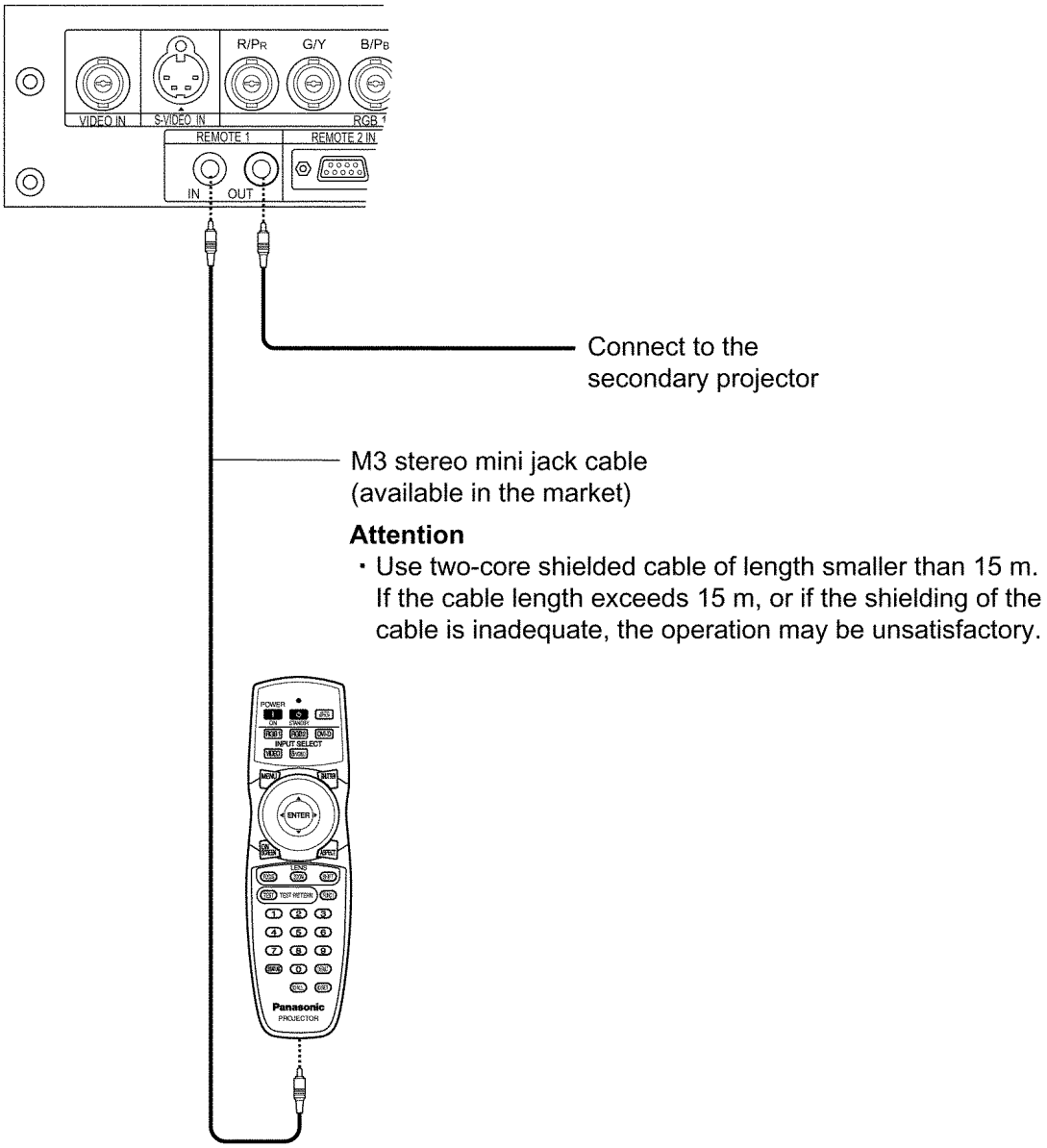
Note

To connect the computer to the SERIAL terminal, prepare an adequate communication cable that fits to your personal computer.

6 Using a Wired Remote Control

6.1. Connection Example

When multiple main units are connected in the system, connect the units with the M3 stereo mini jack cable available in the market to simultaneously control the multiple main units with a single remote control unit through the REMOTE1 IN/OUT terminal. It is effective to use the wired remote control in the environment in which an obstacle stands in the light path or where devices are susceptible to outside light.



6.2. Setting the Projector ID Number for Remote Control

Every projector has its ID number and the ID number of the controlling projector must be set to the remote control in advance so that the user can operate the remote control. The ID number of the projector is set to “ALL” on shipping, and use the ID ALL button of the remote control when using only a single projector.

Procedure of ID setting

Press the ID SET button, and within five seconds use the number (0 to 9) buttons to enter the 2-digit ID number set by the projector.

However, if the ID ALL button is pressed, the projector can be controlled regardless of the ID number of the projector (simultaneous control mode).

Note:

- Do not press the ID SET button accidentally or carelessly because the ID number on the remote control can be set even when no projector is around.

  If the ID SET button is pressed, the ID number goes back to the one set before pressing the ID SET button unless a numeric button is pressed within five seconds after the ID SET button is pressed.
- Your specified ID number is stored in the remote control unit unless another one is specified later. However, the stored ID will be erased if the batteries of the remote control are left exhausted. When the dry cells are replaced, set the same ID number again.

7 Support for Service

7.1. Supporting Methods

We will support according to the following methods.

Supporting methods	Applied parts
Replaced by module or block	FM-Module (For specified components, supplies them discretely.)
	Ballast module
	Power module
Replaced by discrete components	Other components
Replaced at the manufacturing department	Optical block unit (including DMD™ block), DMD™ drive module, Assembly parts

7.2. Note for Replacement of P.C.Boards

7.2.1. When replacing the A-P.C.Board

- Transfer the data of the original A-P.C.Board to the new A-P.C.Board using the adjustment software and a personal computer.
- If you cannot transfer the data that uses the adjustment software, remove IC2508 and IC2509 from the original board and mount them on the new board.

  * Consult your dealer or Authorized Service Center for the adjustment software.

7.3. Replacement of the lithium battery on the A-P.C.Board

If the lithium battery will be empty, replace it with a new one (CR2032 or equivalent).

Cautions

- Explosion may occur if replacing the battery with an incorrect one.
- Dispose of used batteries according to the instructions.

8 Cautions for Service

Service or repair the product according to service information on the service manual, etc. so that a fire, injury or electric shock caused by an improper repair may not occur.

1. Do not modify equipments, components and materials when attempting to service or repair.
2. Do not repair nor connect wires even in case of a part of the disconnection when the wiring unit is supplied as a replacement parts, replace the wiring unit (complete).
3. For a fasten terminal (push-in type terminal), pull out or insert straightly without twisting it.

8.1. Servicing Methods

- Never unplug the power cord from the outlet, open the circuit breaker, or perform other procedures to cut off the power line during the operation of any cooling fan.
- Be sure to unplug the power cord from the power outlet before servicing.

Powering off the projector

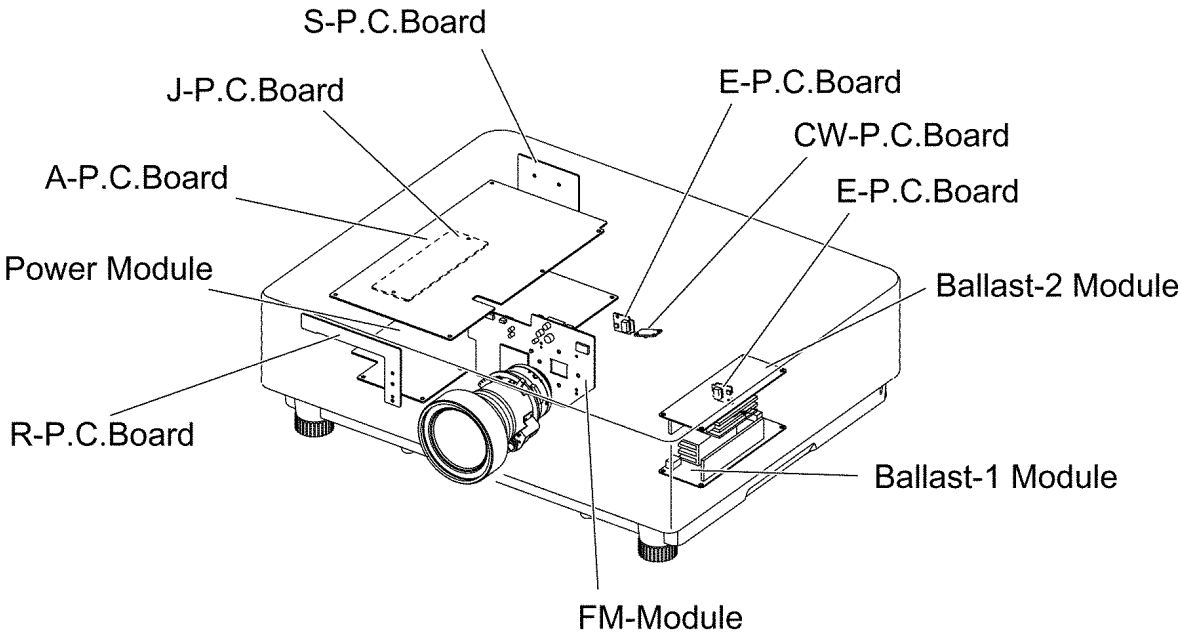
1. Press the POWER STANDBY " ⏻ " button.
2. Select "OK" with ◀ or ▶ button and press the ENTER button. (or press the POWER STANDBY " ⏻ " button again.)
   The projection of the image stops, and power indicator of the main unit lights up orange. (The cooling fan keeps running.)
3. Wait until the power indicator of the main unit turns to red (i.e., until the cooling fan stops).
4. Press the " ○ " marked side of the MAIN POWER switch to remove all power from the projector.

8.2. Light Source Lamp

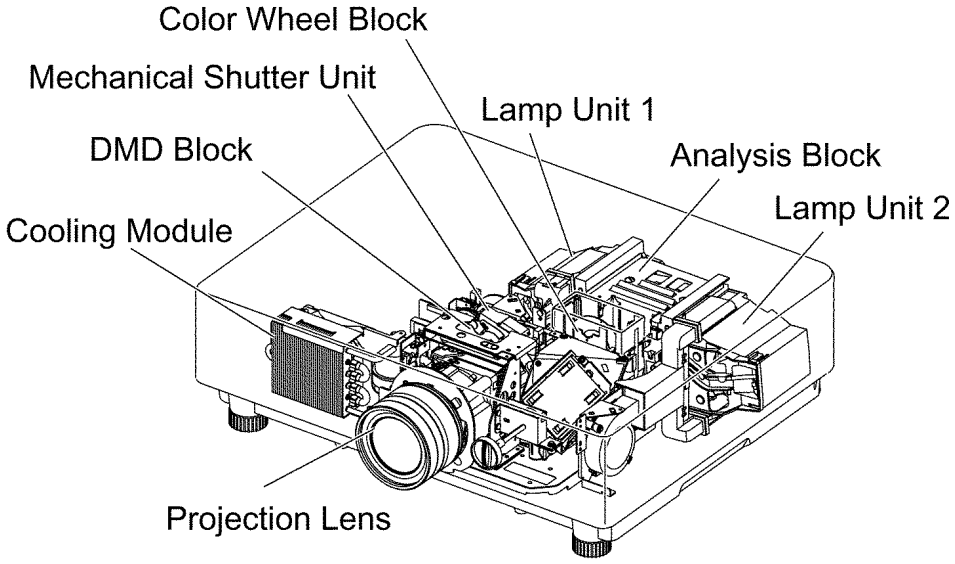
Strong light is emitted from the projector´s lens. Never look into the lens while the projector is being used. If you look directly into this light, it can hurt and damage your eyes.

9 Parts Location

9.1. Electrical Parts Location



9.2. Electromechanical Parts Location



10 Replacement of Lamp Unit

10.1. Before replacing the Lamp Unit

WARNING!

- When replacing the lamp, allow it to cool for at least one hour before handling it.
- Make sure that two lamp units are always installed.

10.1.1. Precautions on lamp unit replacement

Remove the power plug and confirm that the surroundings of the lamp unit have cooled off.

- Be careful when handling a light source lamp. The lamp unit has high internal pressure. If improperly handled, explosion might result.
- A used lamp unit may burst if it is handled violently.

  For disposition of used lamps, request an industrial waste disposal contractor.
- If you continue to use a lamp after the replacement time, the lamp may break.
- Philips screwdriver is necessary when replacing a lamp unit.

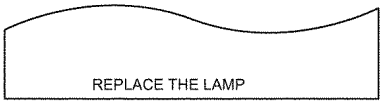
  Take care not to slip your hand when using a screwdriver.
- It is not possible to turn on the power unless two lamp units are installed.
- A lamp unit is an optional part. Contact the dealer.

  Replacement lamp unit model No.: ET-LAD57 (single bulb), ET-LAD57W (double bulbs)
- Other lamps than specified above cannot be used. Be sure to use the specified lamp.

10.2. When to replace the Lamp Unit

The lamp units are consumable parts. The lamp brightness decreases gradually as the cumulative operating time increases, so periodic replacement is necessary. The replacement guideline is 2 000 hours, although the lamp may become dead (will not light) before 2 000 hours is reached depending on the characteristics of individual lamps and other factors such as the operating conditions and the installation environment. Therefore, it is recommended for the user to keep a spare lamp unit.

The risk of the lamp bursting increases after 2 000 hours of operation, so the lamp unit turns off automatically.

<table>
<tr><th></th><th>On-screen indication
 
</th><th>Lamp monitor
 
</th></tr>
<tr><td>After
1 800 hours</td><td>The indication appears for 30 seconds or until any control button is pressed.</td><td rowspan="2">The lamp monitor lights up red even in standby mode.</td></tr>
<tr><td>After
2 000 hours</td><td>The indication will not disappear unless a control button is pressed.</td></tr>
</table>

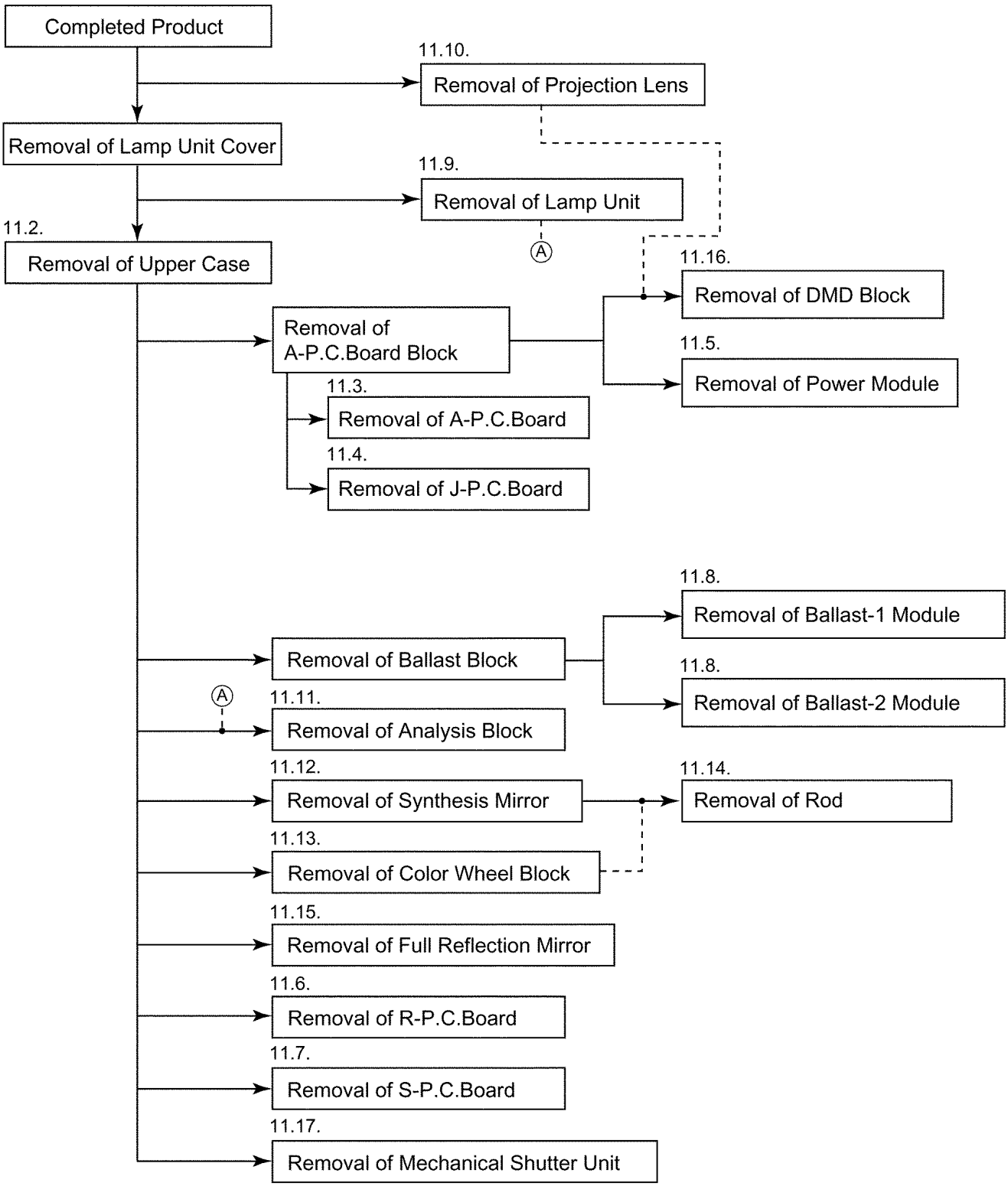
10.3. Indication of Lamp Monitor

Name of monitor lamp	Lamp indication	Information	Checkpoint	Remedial measure
Lamp monitor **LAMP1** **LAMP2** 	Lighting in red	Indicates the time for replacing the lamp unit.	・Did you notice a "REPLACE THE LAMP" message on the screen when turning on the projector power supply ? ・Are lamp units installed correctly ?	・This lamp monitor lights up when the lamp unit used hours have reached 1 800 hours (when "HIGH" is selected as the "LAMP POWER" setting) .
	Blinking in red (3 times)	Error is detected in the lamp or lamp power.	・Did you turn the power back on immediately after turning it off ?	・Wait until the lamp has cooled off, and then turn on the power.
			・Some error has arisen in the lamp circuit. ・Check for fluctuation (or drop) in the source voltage.	・Turn off the MAIN POWER switch using the procedure on "Powering off the projector" in the section 8.1. "Servicing Methods" and consult your dealer or Authorized Service Center.

11 Disassembly Instructions

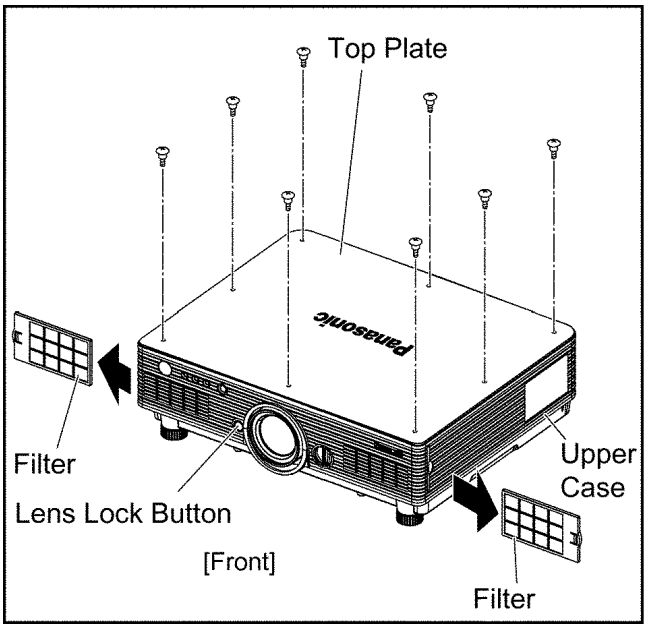
11.1. Flowchart for Disassembly

To assemble, reverse the disassembly procedures.

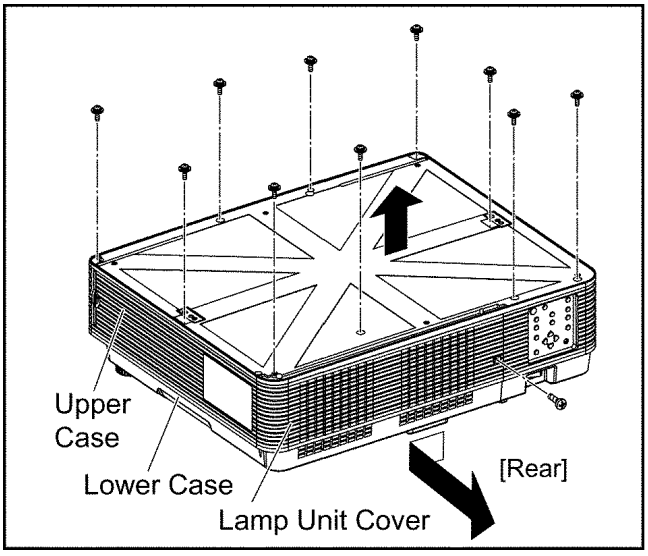


11.2. Removal of Upper Case

(1) Unscrew the 8 screws and remove the top plate.
(2) Remove the filters (R, L). (Pull them horizontally out.)



(3) Unscrew the 1 screw and remove the lamp unit cover while sliding it horizontally.
(4) Unscrew the 10 screws and remove the upper case.

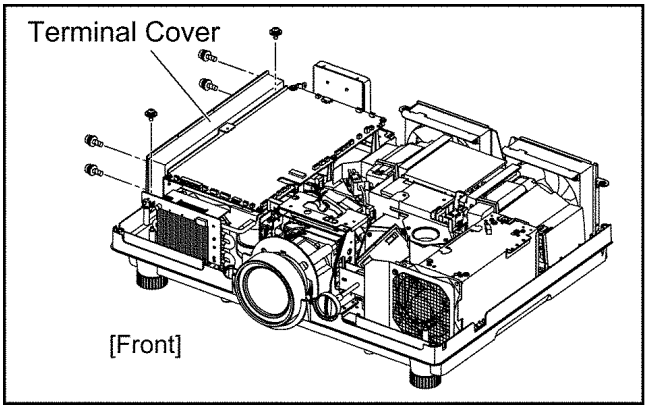


Note:

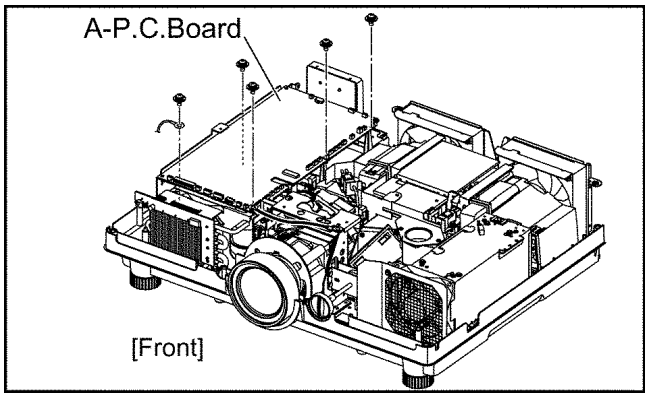
- Confirm the lens lock button actuates correctly when you reassemble the upper case as it was.
- When you attach the upper case, take care not caught nor protruding of the dustproof sheet around the projection lens.
- After attaching the upper case, remove and reinstall the projection lens according to the section 11.10. "Removal of Projection Lens" because the dustproof sheet might protrude or deform.

11.3. Removal of A-P.C.Board

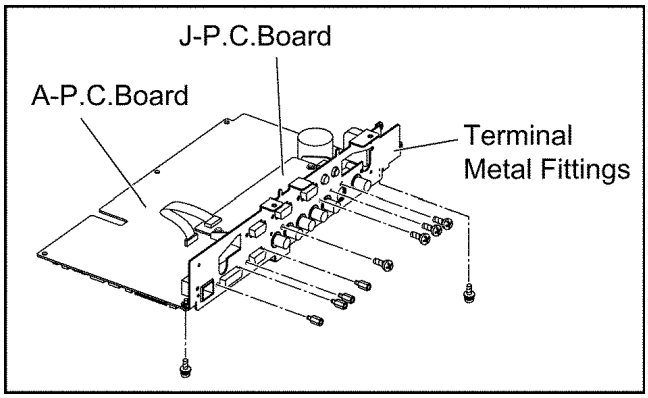
(1) Remove the upper case according to the section 11.2. "Removal of Upper Case".
(2) Unscrew the 6 screws and remove the terminal cover.



(3) Unscrew the 5 screws and remove the A-P.C.Board block.

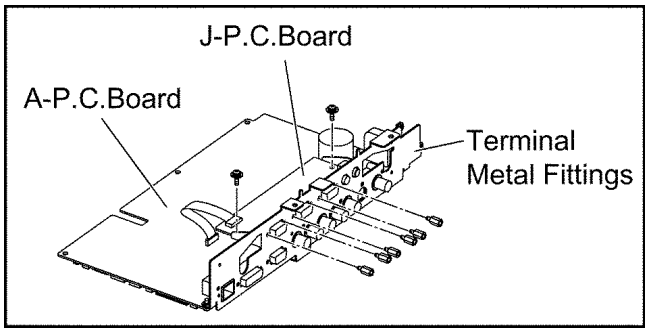


(4) Pull out the flexible cable connected to the J-P.C.Board. (The reverse side of A-P.C.Board)
(5) Unscrew the 10 screws and remove the A-P.C.Board. (The block of the terminal metal fittings and J-P.C.Board remains.)



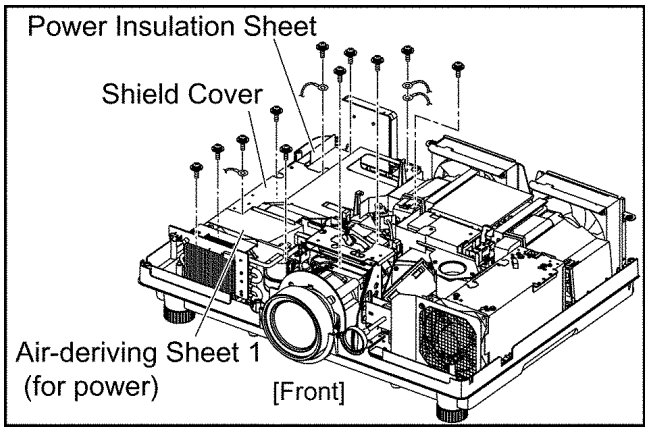
11.4. Removal of J-P.C.Board

(1) Remove the A-P.C.Board block according to the steps 1 through 3 in the section 11.3. "Removal of A-P.C.Board".
(2) Pull out the flexible cable connected to the A-P.C.Board.
(3) Unscrew the 8 screws and remove the J-P.C.Board.

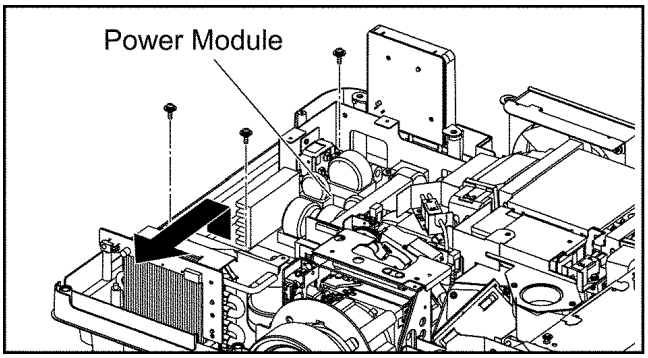


11.5. Removal of Power Module

(1) Remove the A-P.C.Board block according to the steps 1 through 3 in the section 11.3. "Removal of A-P.C.Board".
(2) Unscrew the 1 screw and remove the power insulation sheet.
(3) Unscrew the 3 screws and release the 3 grounding terminals.
(4) Unscrew the 5 screws and remove the shield cover.
(5) Unscrew the 2 screws and remove the air-deriving sheet 1 (for power).

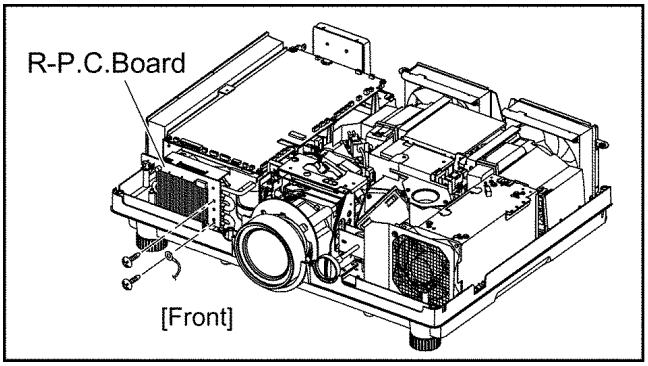


(6) Unscrew the 3 screws and remove the power module.



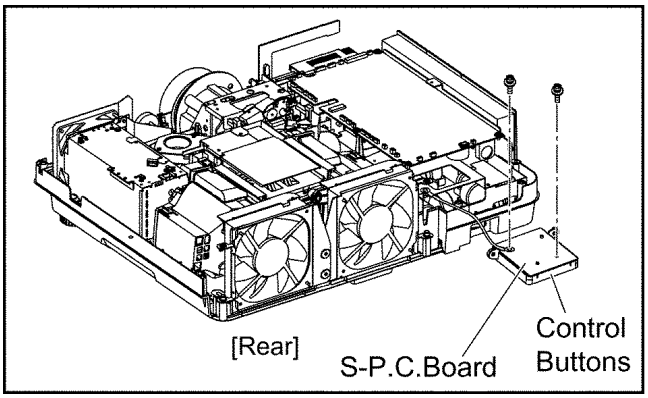
11.6. Removal of R-P.C.Board

(1) Remove the upper case according to the section 11.2. "Removal of Upper Case".
(2) Unscrew the 2 screws and remove the R-P.C.Board.



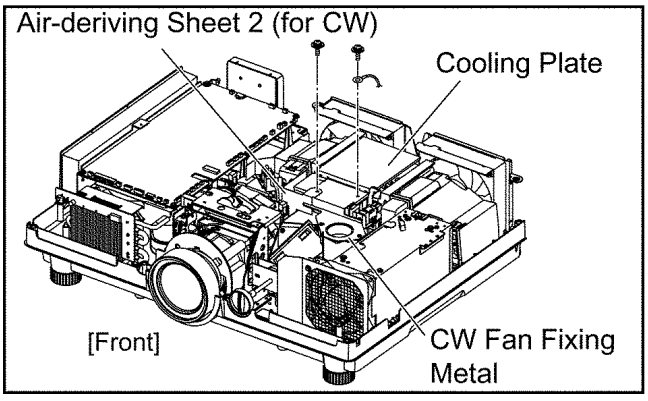
11.7. Removal of S-P.C.Board

(1) Remove the upper case according to the section 11.2. "Removal of Upper Case".
(2) Unscrew the 2 screws and remove the S-P.C.Board from the control buttons.

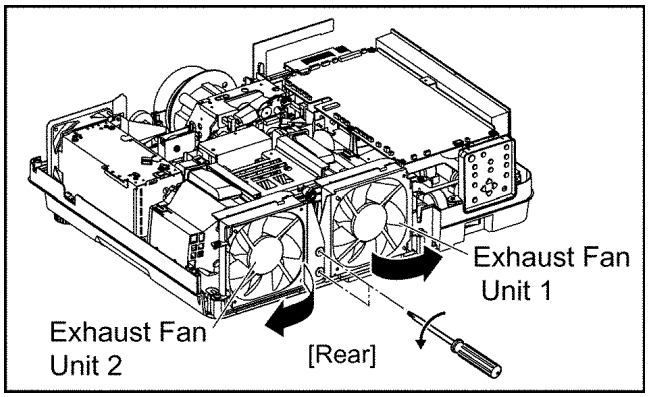


11.8. Removal of Ballast-1 and Ballast-2 Modules

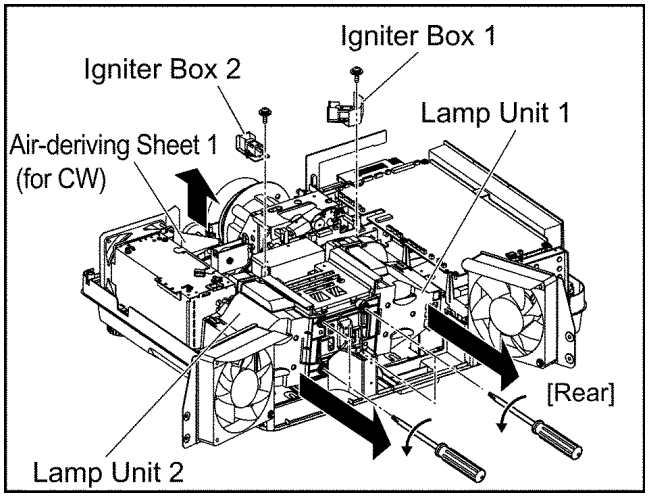
(1) Remove the upper case according to the section 11.2. "Removal of Upper Case".
(2) Unscrew the 2 screws and remove the air-deriving sheet 2 (for CW), the CW fan fixing metal and the Cooling plate.



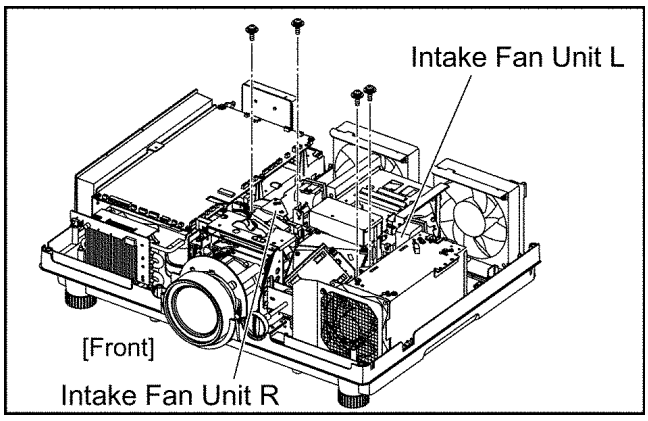
(3) Loosen the 2 screws until they idle and open the exhaust fan unit 1 and 2.



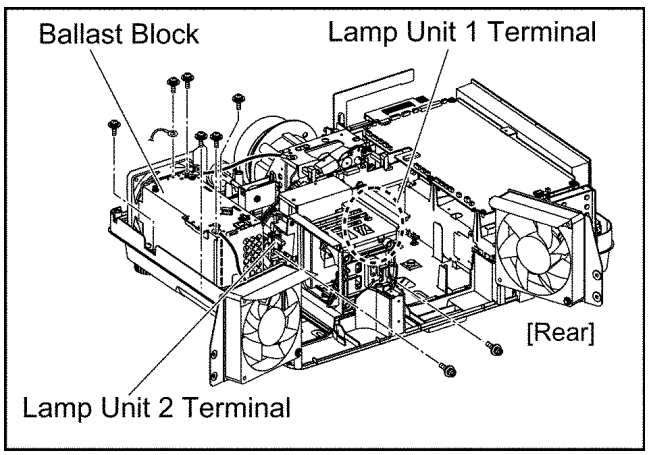
(4) Loosen each of 2 screws fixing the lamp units until they idle, remove the lamp units 1 and 2.
(5) Unscrew each of 1 screw and release the 2 igniter boxes.
(6) Remove the air-deriving sheet 1 (for CW).



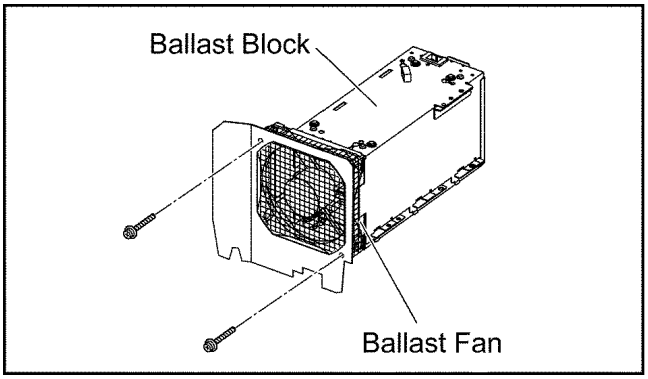
(7) Unscrew the 2 screws and remove the intake fan unit L.
(8) Unscrew the 2 screws and remove the intake fan unit R.



(9) Unscrew the 1 screw and release the lamp unit 1 terminal.
(10) Unscrew the 1 screw and release the lamp unit 2 terminals.
(11) Unscrew the 3 screws and release the grounding terminals.
(12) Unscrew the 3 screws and release the ballast block.



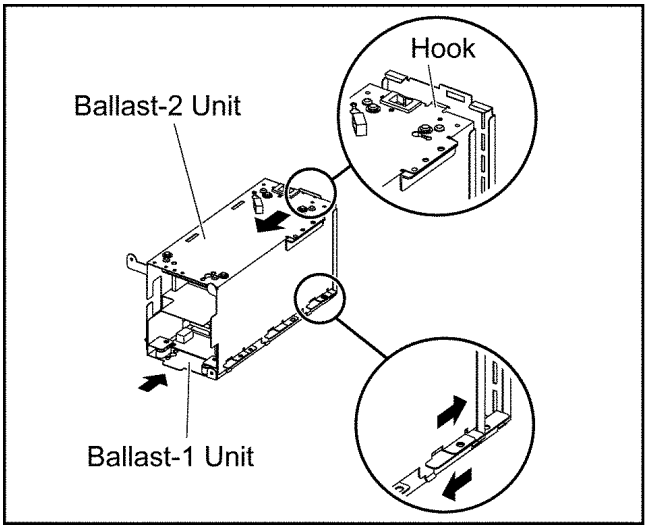
(13) Unscrew the 2 screws and remove the ballast fan.



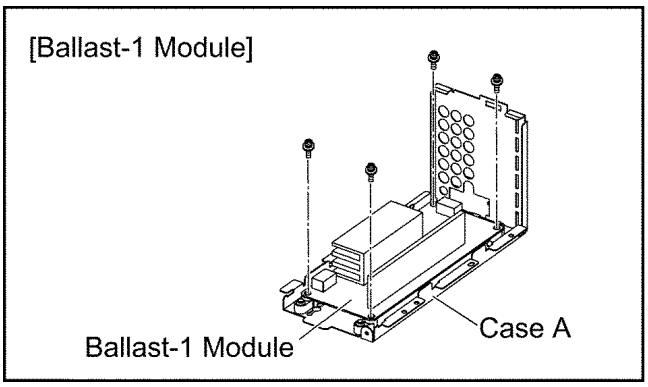
(14) Disconnect the connectors to the ballast-1 and ballast-2 units.
(15) While sliding the ballast-1 and ballast-2 units mutually, disconnect their hooks and separate the units.

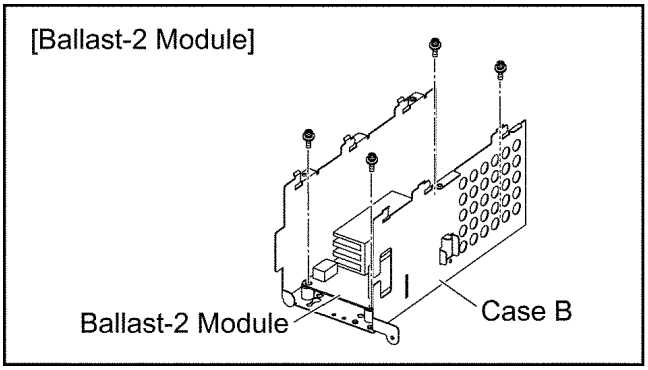
Note:

- Work carefully not to deform the ballast unit case (A, B).



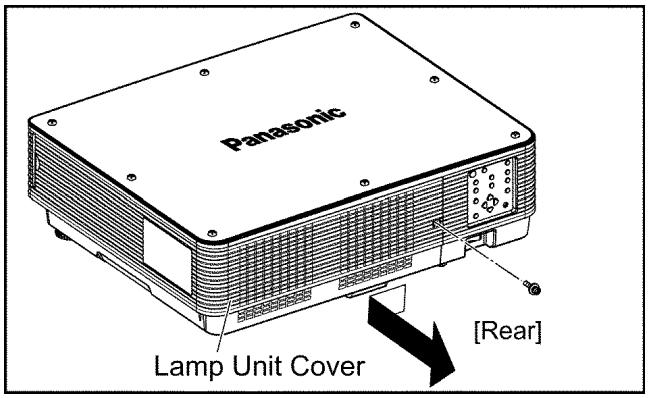
(16) Unscrew the 4 screws and remove the ballast module.



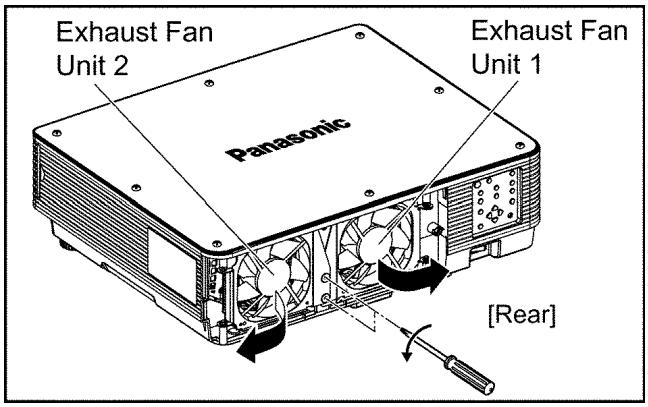


11.9. Removal of Lamp Unit

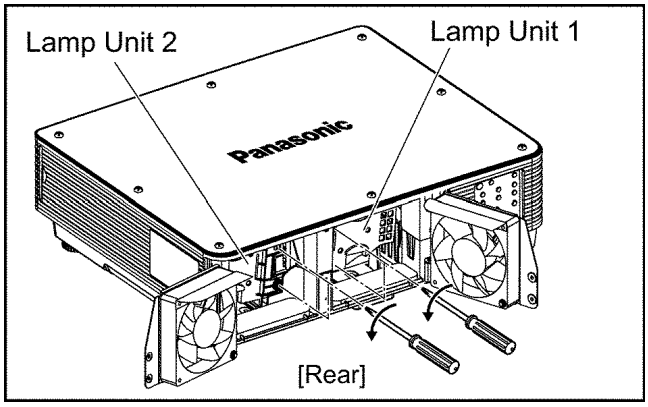
(1) Unscrew the 1 screw fixing the lamp unit cover and slightly slide the cover horizontally and remove it.



(2) Loosen the 2 screws until they idle and open the exhaust fan units outside.

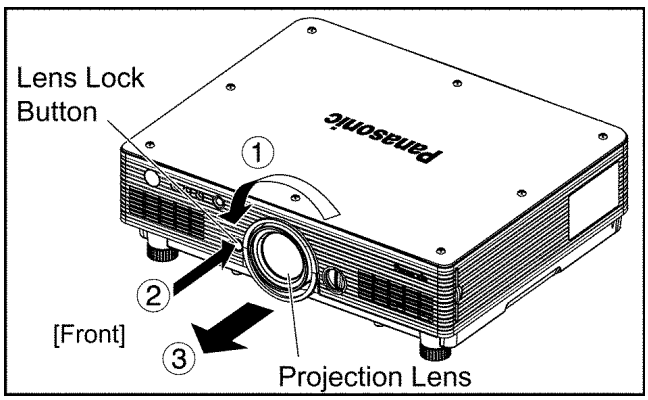


(3) Loosen each of 2 screws fixing the lamp unit until they idle, hold the grip and take the lamp unit out.



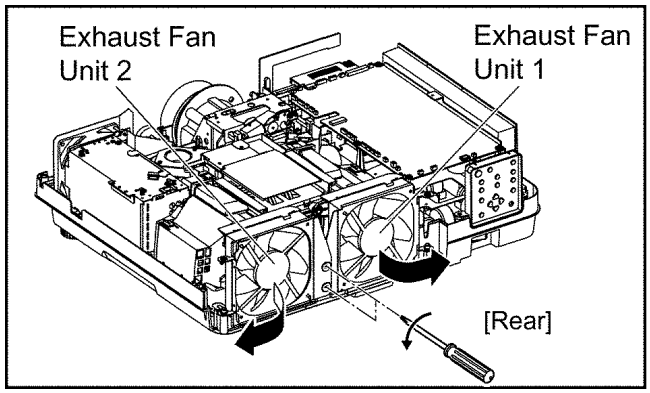
11.10. Removal of Projection Lens

(1) Fully turn the projection Lens counterclockwise.
(2) Turn the projection lens counterclockwise in addition while pressing the lens lock button.
(3) Remove the projection lens.

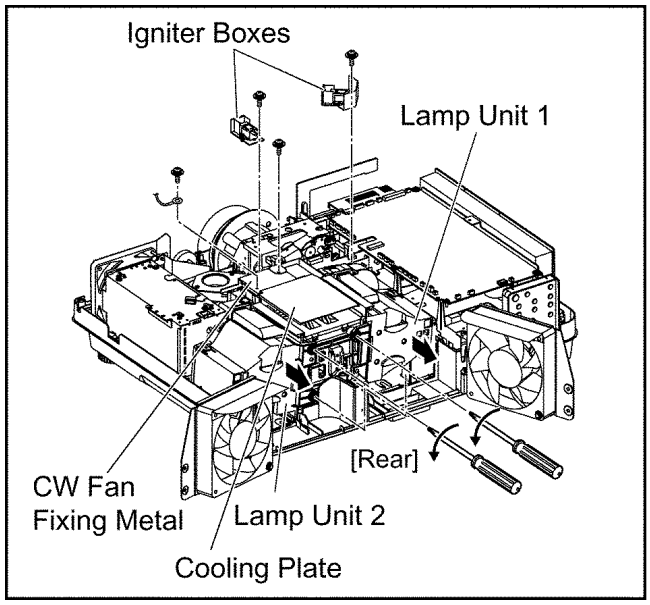


11.11. Removal of Analysis Block

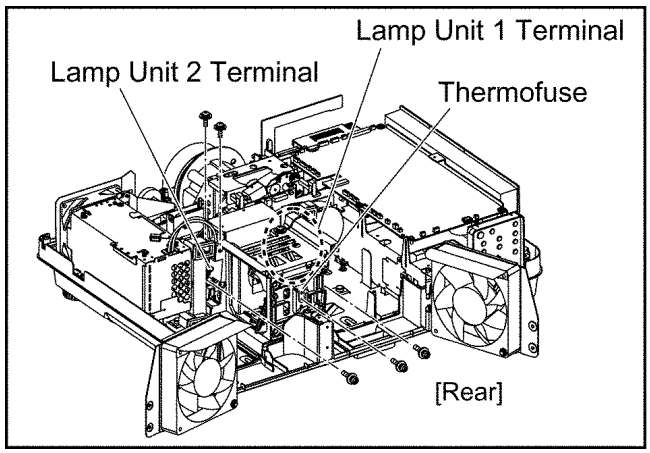
(1) Remove the upper case according to the section 11.2. "Removal of Upper Case".
(2) Loosen the 2 screws until they idle and open the exhaust fan units 1 and 2 outside.



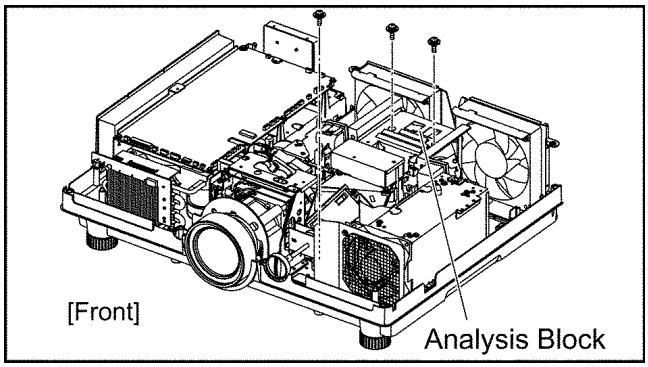
(3) Loosen each of 2 screws fixing the lamp units until they idle, remove the lamp units 1 and 2.
(4) Unscrew the 2 screws and remove the CW fan fixing metal with fan and the cooling plate.
(5) Unscrew each of 1 screw and release the 2 igniter boxes.



(6) Unscrew the 1 screw for the lamp unit 1 terminal.
(7) Unscrew the 1 screw for the lamp unit 2 terminal.
(8) Unscrew the 1 screw and remove the thermofuse.



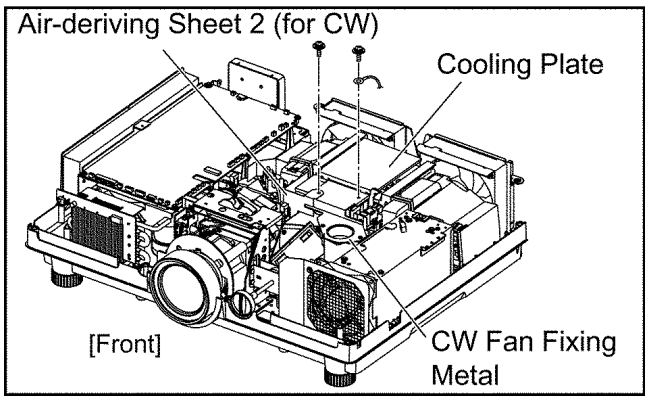
(9) Unscrew the 3 screws and remove the analysis block.



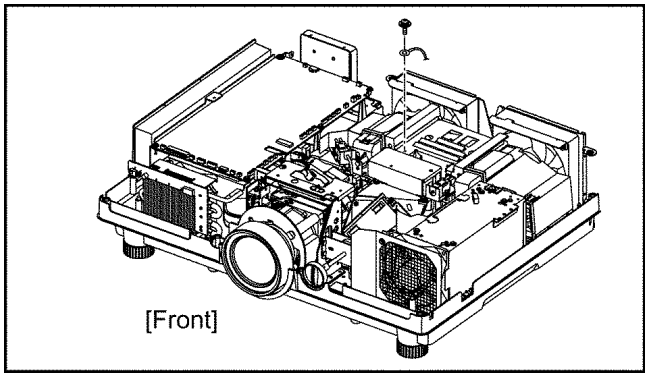
11.12. Removal of Synthesis Mirror

(1) Remove the upper case according to the section 11.2. "Removal of Upper Case".

(2) Unscrew the 2 screws and remove the CW fan fixing metal with fan and the cooling plate.



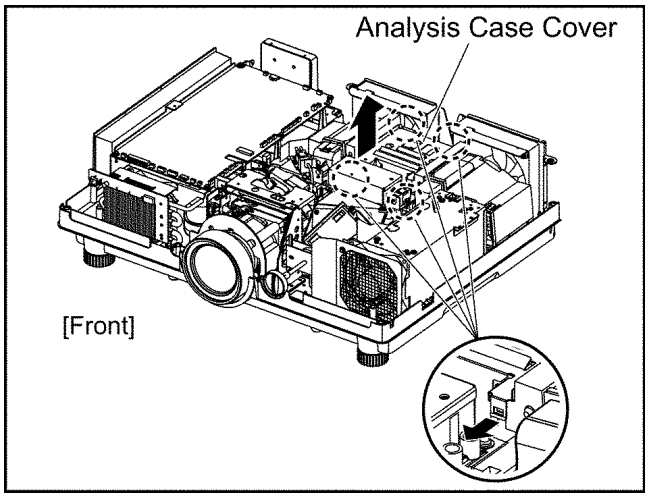
(3) Unscrew the 1 screw and remove the grounding terminal.



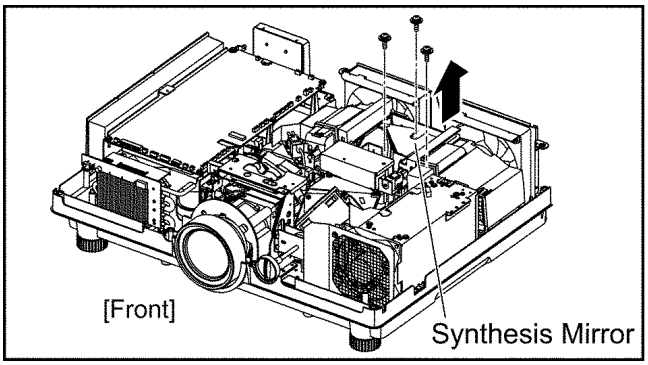
(4) Unhook the 4 hooks and remove the analysis case cover.

Notes:

- Work carefully not to deform the hooks of the analysis case cover.
- When the analysis case cover is removed, be careful not to touch the rod.

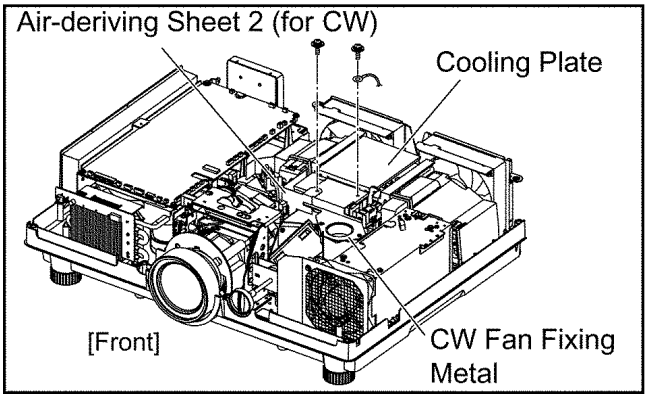


(5) Unscrew the 3 screws and remove the synthesis mirror.
Notes:
- When the synthesis mirror is removed, be careful not to deform or damage the component (shading plate) of the rod (complete).
- Do not touch the surface of the synthesis mirror. If it becomes dirty or damaged, the performance may be deteriorated.

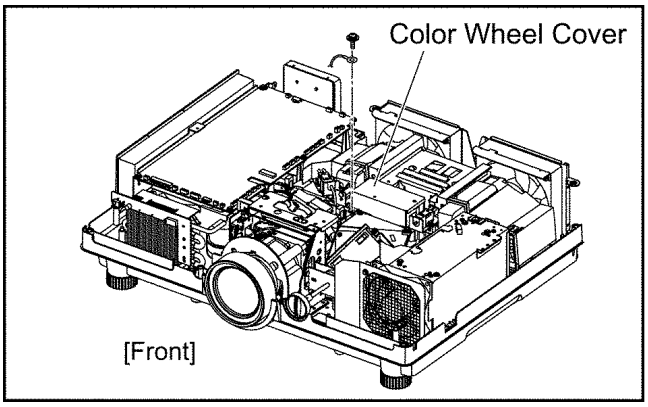


11.13. Removal of Color Wheel Block (Analysis Block)

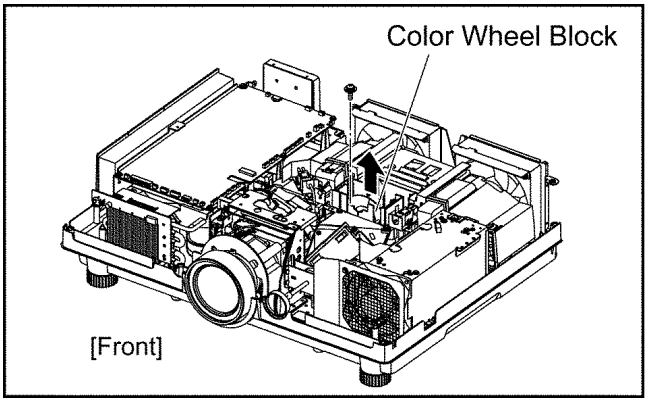
(1) Remove the upper case according to the section 11.2. "Removal of Upper Case".
(2) Unscrew the 2 screws and remove the CW fan fixing metal with fan and the cooling plate.



(3) Unscrew the 1 screws and remove the color wheel cover.

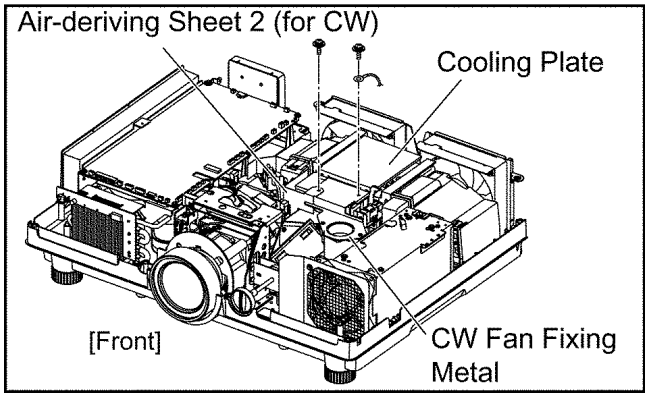


(4) Disconnect connectors and flexible cable from/to the color wheel block.
(5) Unscrew the 1 screw and remove the color wheel block.
Note:
- If the optical components (color wheel, rod in the analysis block, etc.) become dirty or damaged, the performance may be deteriorated. Work carefully enough in handling.

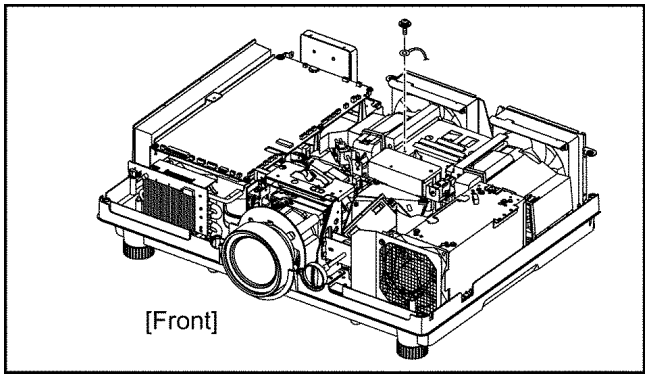


11.14. Removal of Rod (complete)

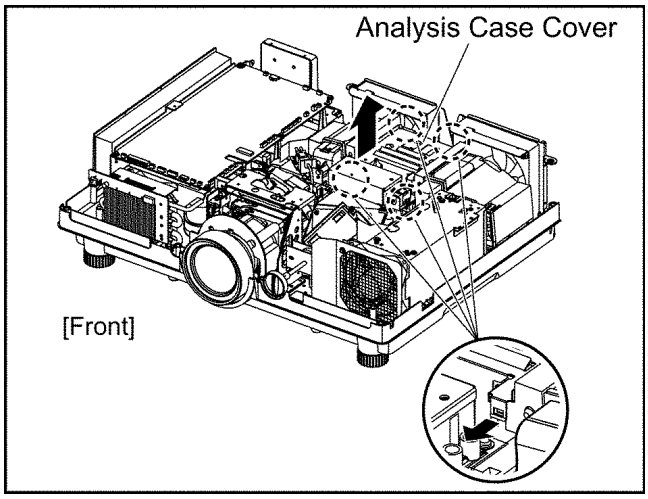
(1) Remove the upper case according to the section 11.2. "Removal of Upper Case".
(2) Unscrew the 2 screws and remove the CW fan fixing metal with fan and the cooling plate.



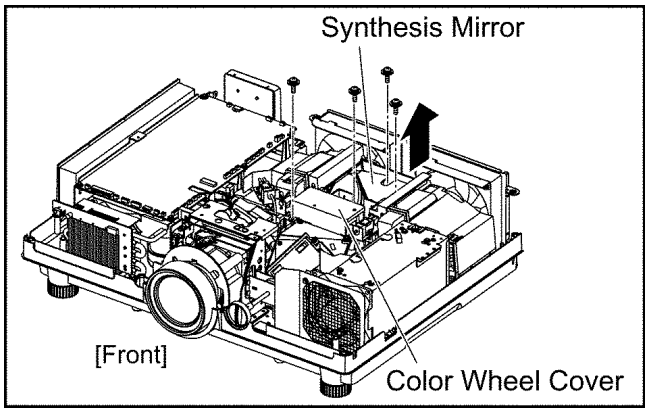
(3) Unscrew the 1 screw and remove the grounding terminal.



(4) Unhook the 4 hooks and remove the analysis case cover.
Notes:
- Work carefully not to deform the hooks of the analysis case cover.
- When the analysis case cover is removed, be careful not to touch the rod.



(5) Unscrew the 3 screws and remove the synthesis mirror.
(6) Unscrew the 1 screws and remove the color wheel cover.

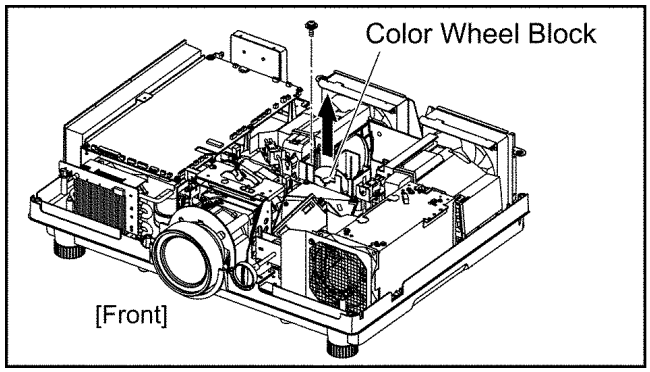


(7) Disconnect connectors and flexible cable from/to the color wheel block.

(8) Unscrew the 1 screw and remove the color wheel block.

Note:

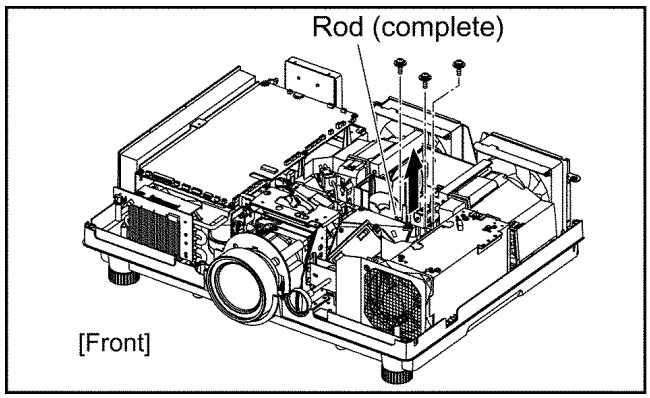
・If the optical components (color wheel, rod in the analysis block, etc.) become dirty or damaged, the performance may be deteriorated. Work carefully enough in handling.



(9) Unscrew the 3 screws and remove the rod (complete).

Note:

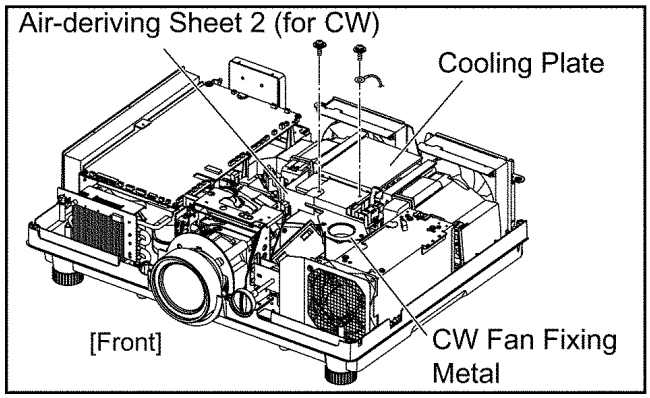
・Handle with care not to make dirty, damage or deform the rod integrator or shading plate of the rod (complete).



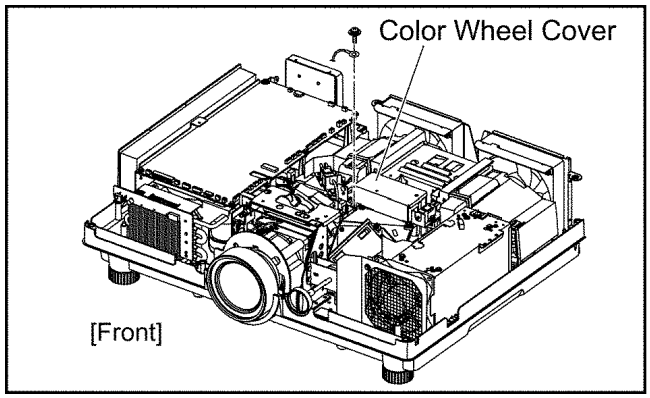
11.15. Removal of Full Reflection Mirror (complete)

(1) Remove the upper case according to the section 11.2. "Removal of Upper Case".

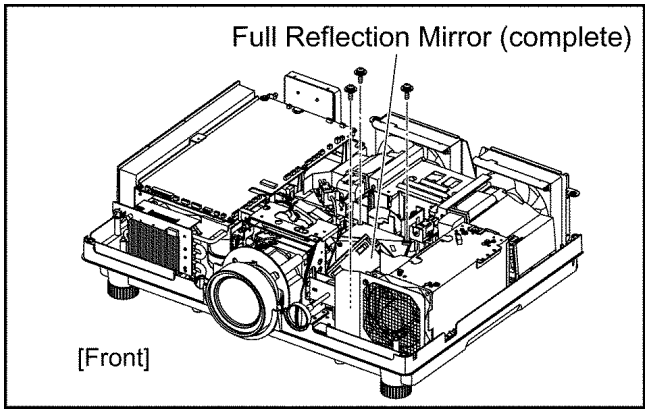
(2) Unscrew the 2 screws and remove the CW fan fixing metal with fan and the cooling plate.



(3) Unscrew the 1 screw and remove the color wheel cover.

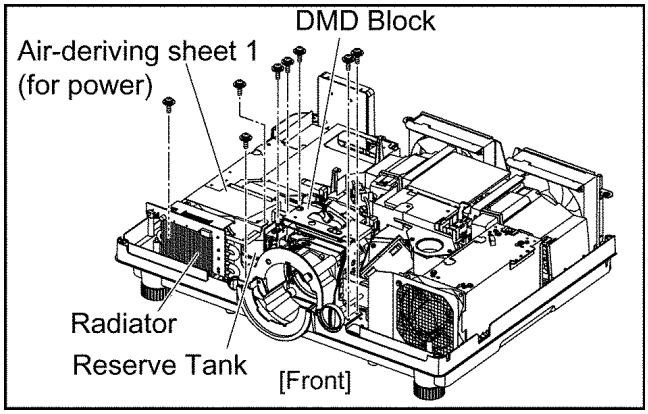


(4) Unscrew the 3 screws and remove the full reflection mirror (complete).



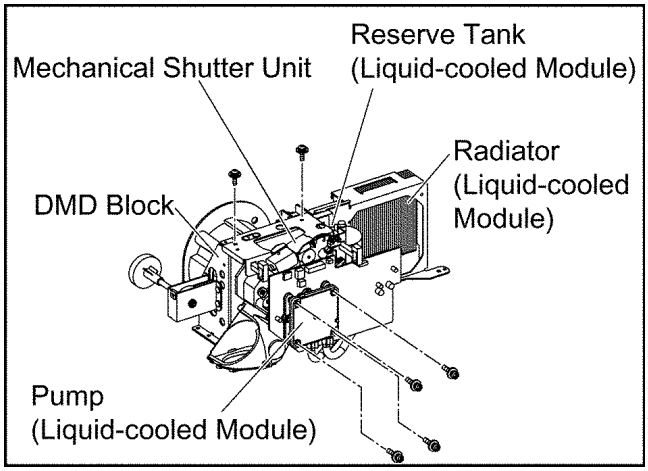
11.16. Removal of DMD Block (complete)

(1) Remove the projection lens according to the section 11.10. "Removal of Projection Lens".
(2) Remove the A-P.C.Board block according to the steps 1 through 3 in the section 11.3. "Removal of A-P.C.Board".
(3) Unscrew the 2 screws and remove the air-deriving sheet 1 (for power). [The radiator (liquid-cooled module) is released.]
(4) Unscrew the 1 screw and release the reserve tank (liquid-cooled module).
(5) Unscrew the 5 screws and release the DMD block. [The pump (liquid-cooled module) is installed in the back of the DMD block.]
(6) Take the DMD block and the liquid-cooled module (radiator, reserve tank) out. (They are laid pipes from/to tubes of the liquid-cooled module.)



(7) Unscrew the 4 screws and remove the pump (liquid-cooled module).
Note:
・Do not disconnect the piping tube of the liquid-cooled module.

(8) Unscrew the 2 screws and remove the mechanical shutter unit.

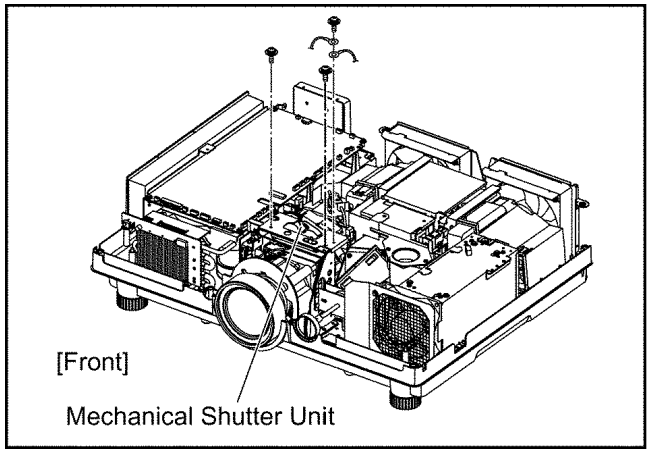


Caution for disassembling
・The DMD block periphery is composed of precise optical components.

When disassembling or reassembling, work noting damage and the wound of the peripheral components.

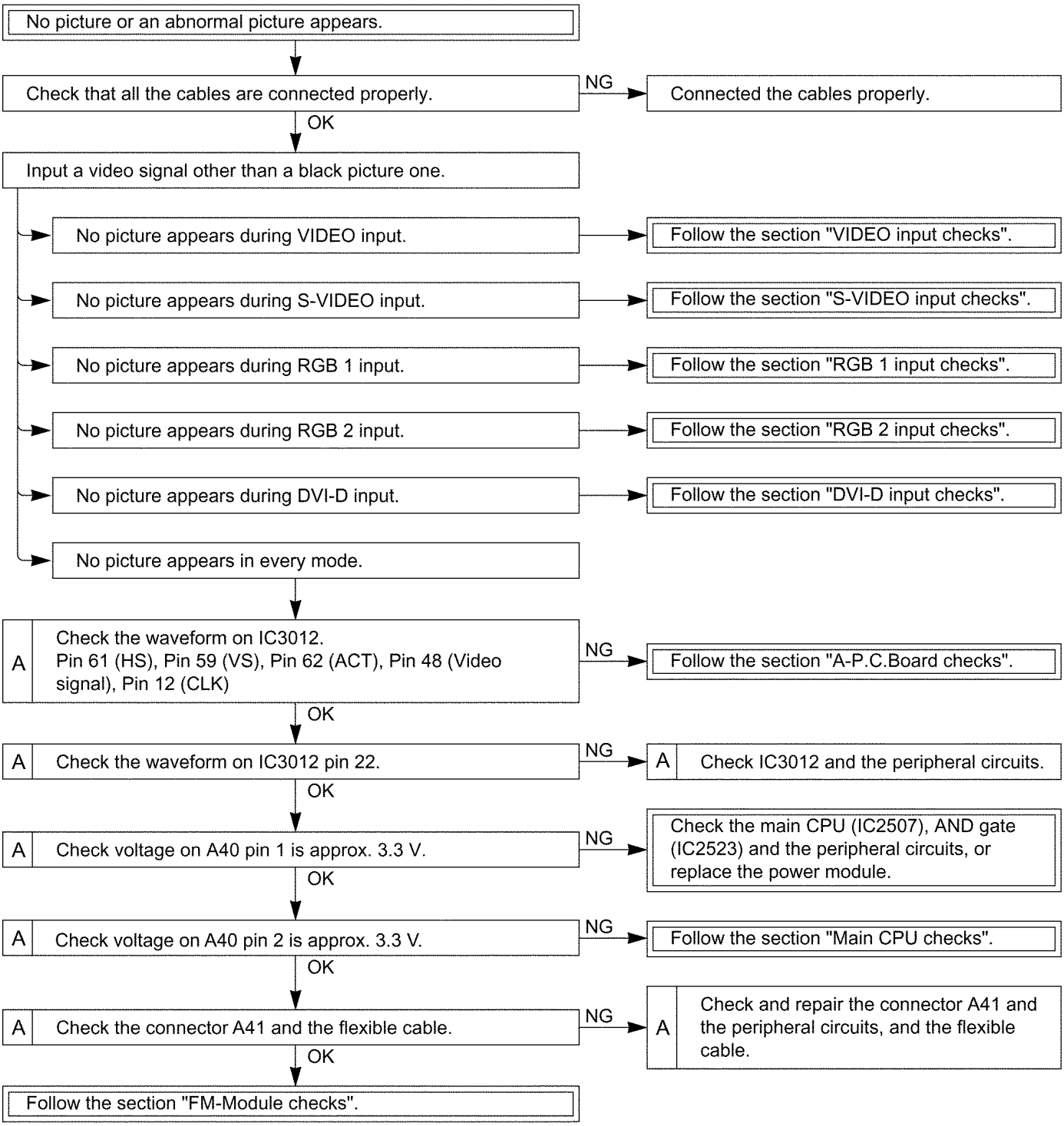
11.17. Removal of Mechanical Shutter Unit

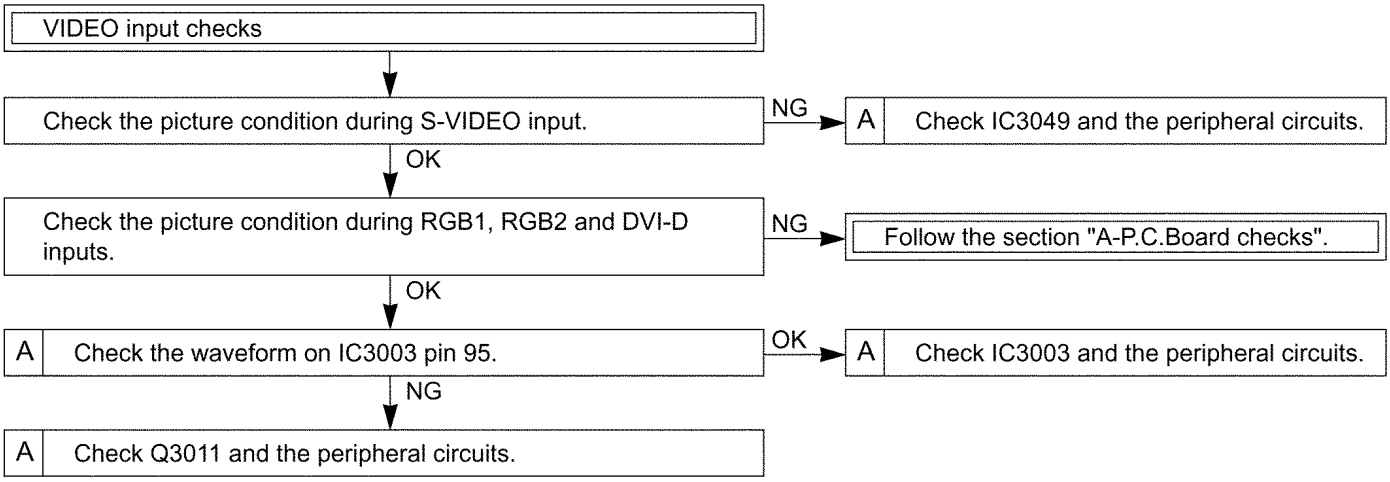
(1) Remove the upper case according to the section 11.2. "Removal of Upper Case".
(2) Unscrew the 1 screw and remove the grounding terminal.
(3) Release the lead wires from clamping.
(4) Unscrew the 2 screws and remove the mechanical shutter unit.

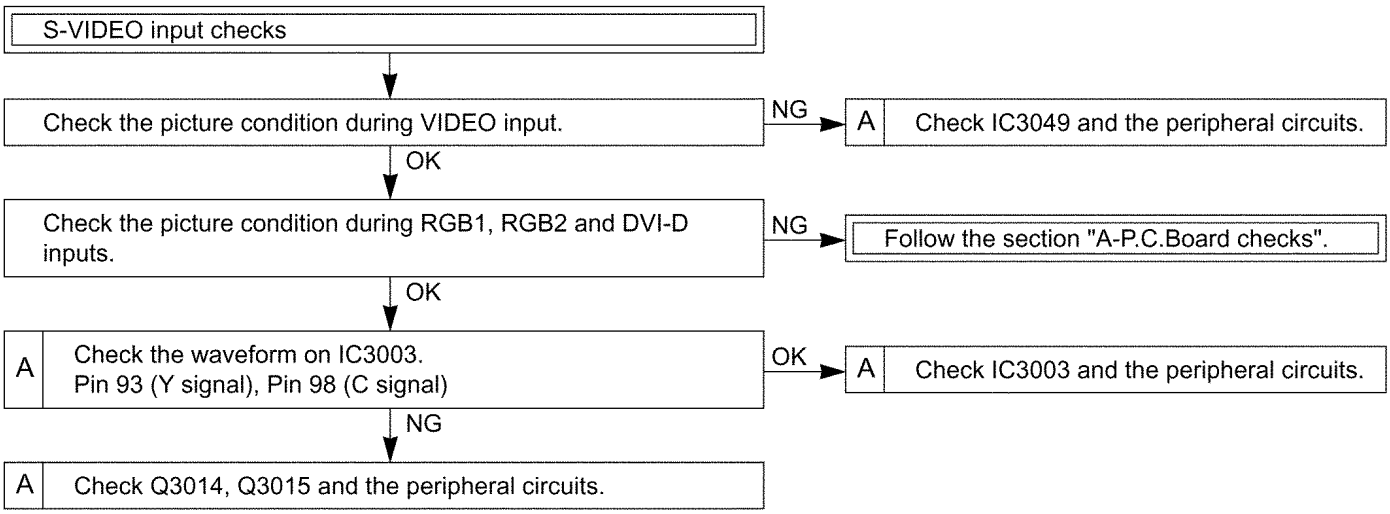


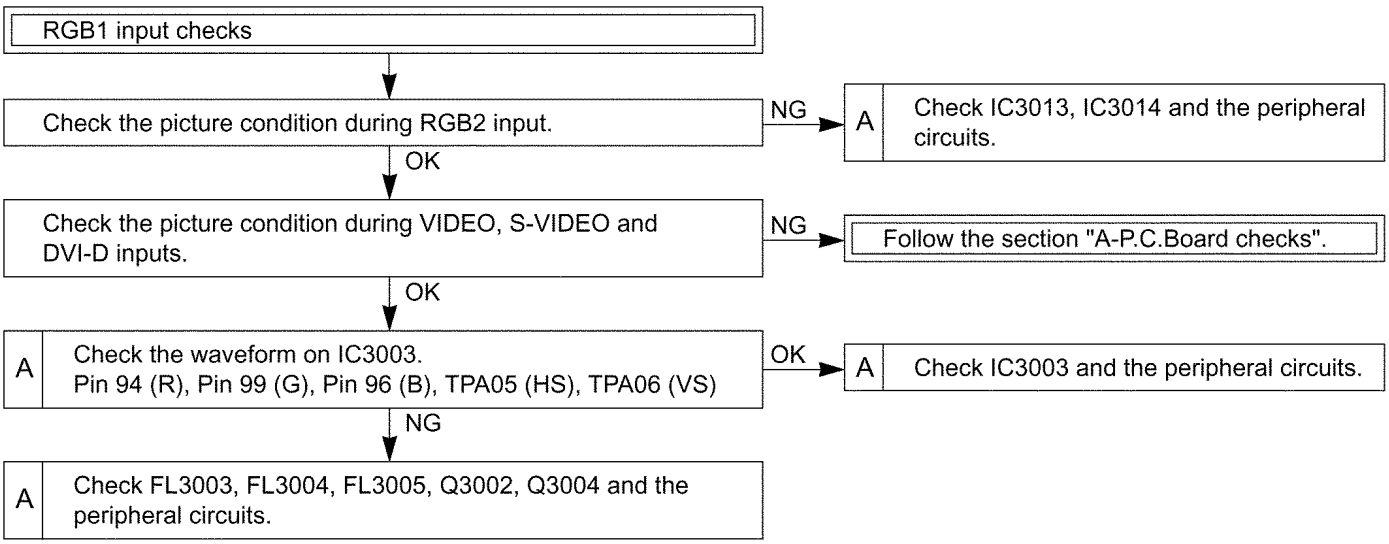
12 Troubleshooting

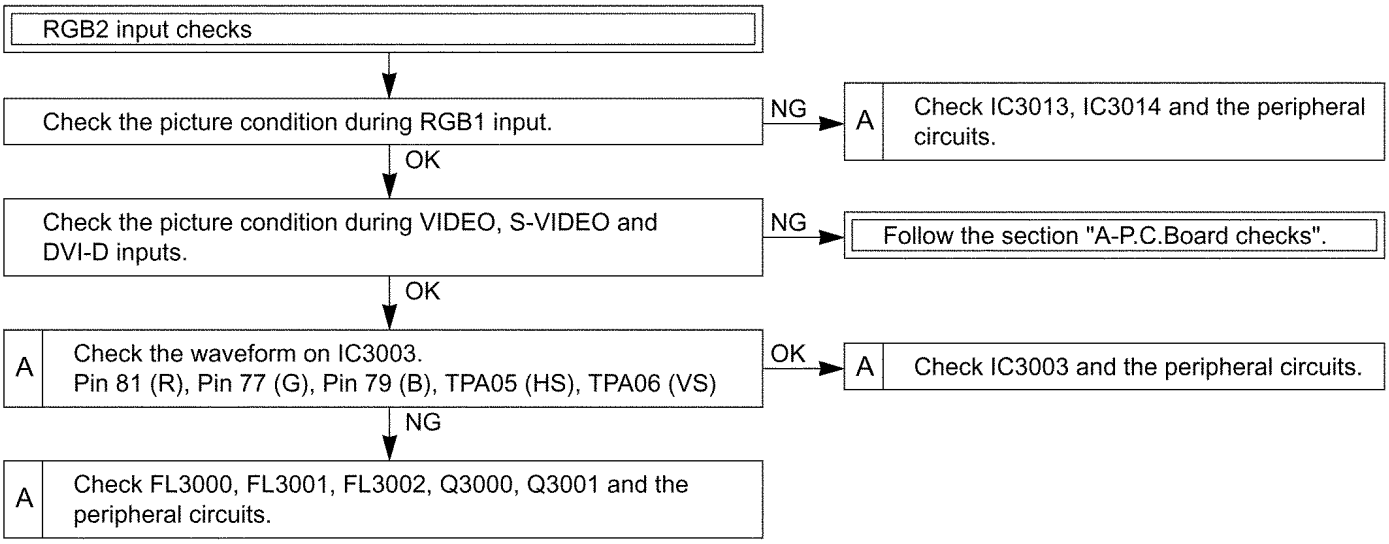
The alphabets (A, FM, etc.) in the left box of the inspection items indicate the names of P.C.Boards or modules to be checked.

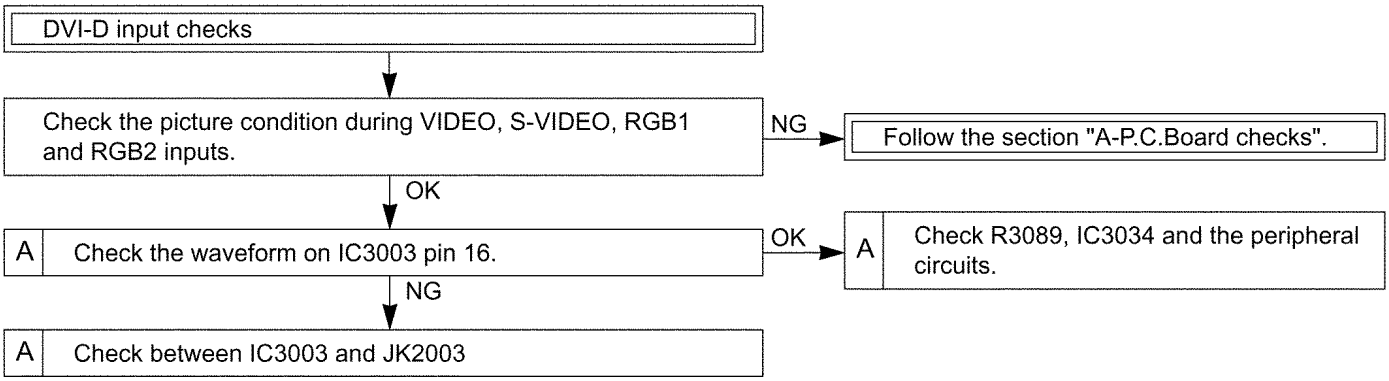


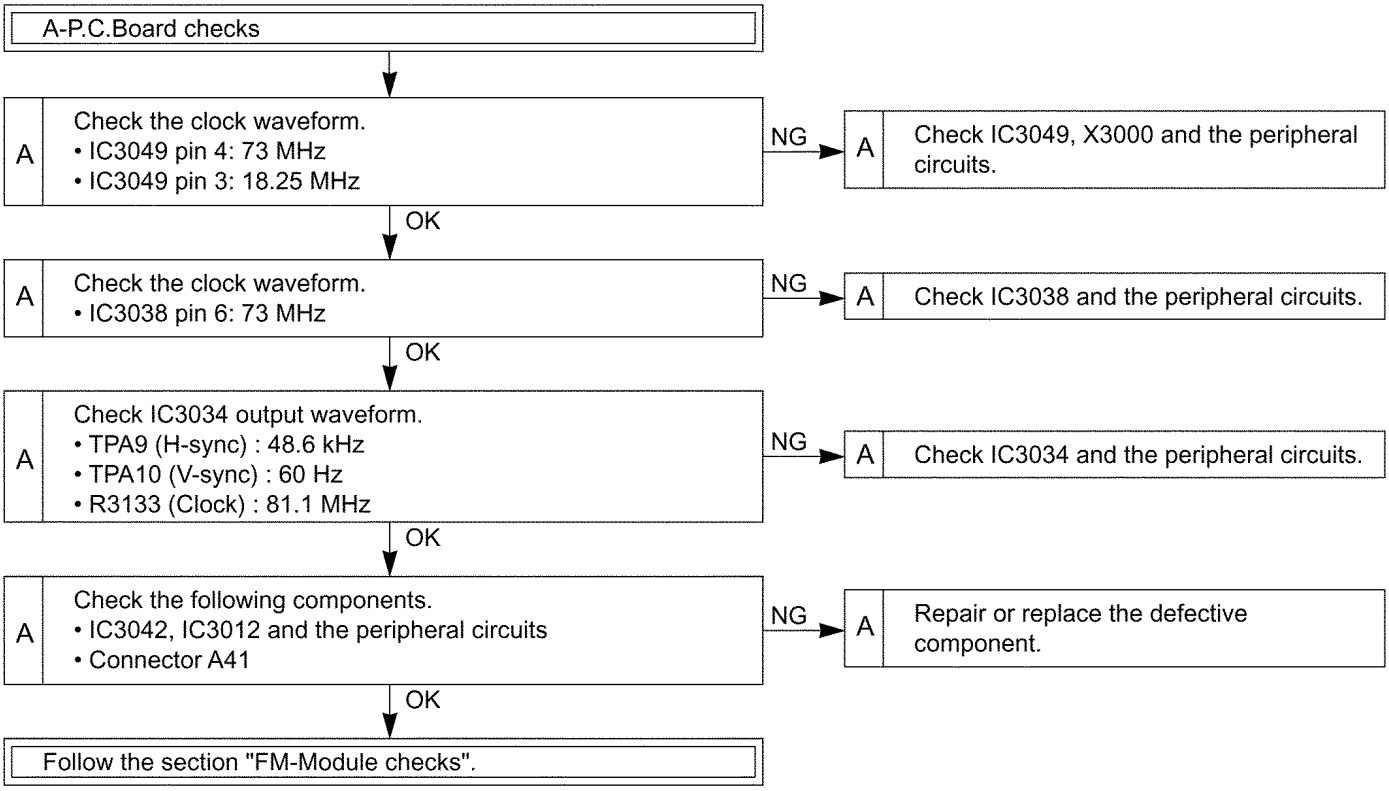

VIDEO input checks
Check the picture condition during S-VIDEO input.
NG
A
Check IC3049 and the peripheral circuits.
OK
Check the picture condition during RGB1, RGB2 and DVI-D inputs.
NG
Follow the section "A-P.C.Board checks".
OK
A
Check the waveform on IC3003 pin 95.
OK
A
Check IC3003 and the peripheral circuits.
NG
A
Check Q3011 and the peripheral circuits.

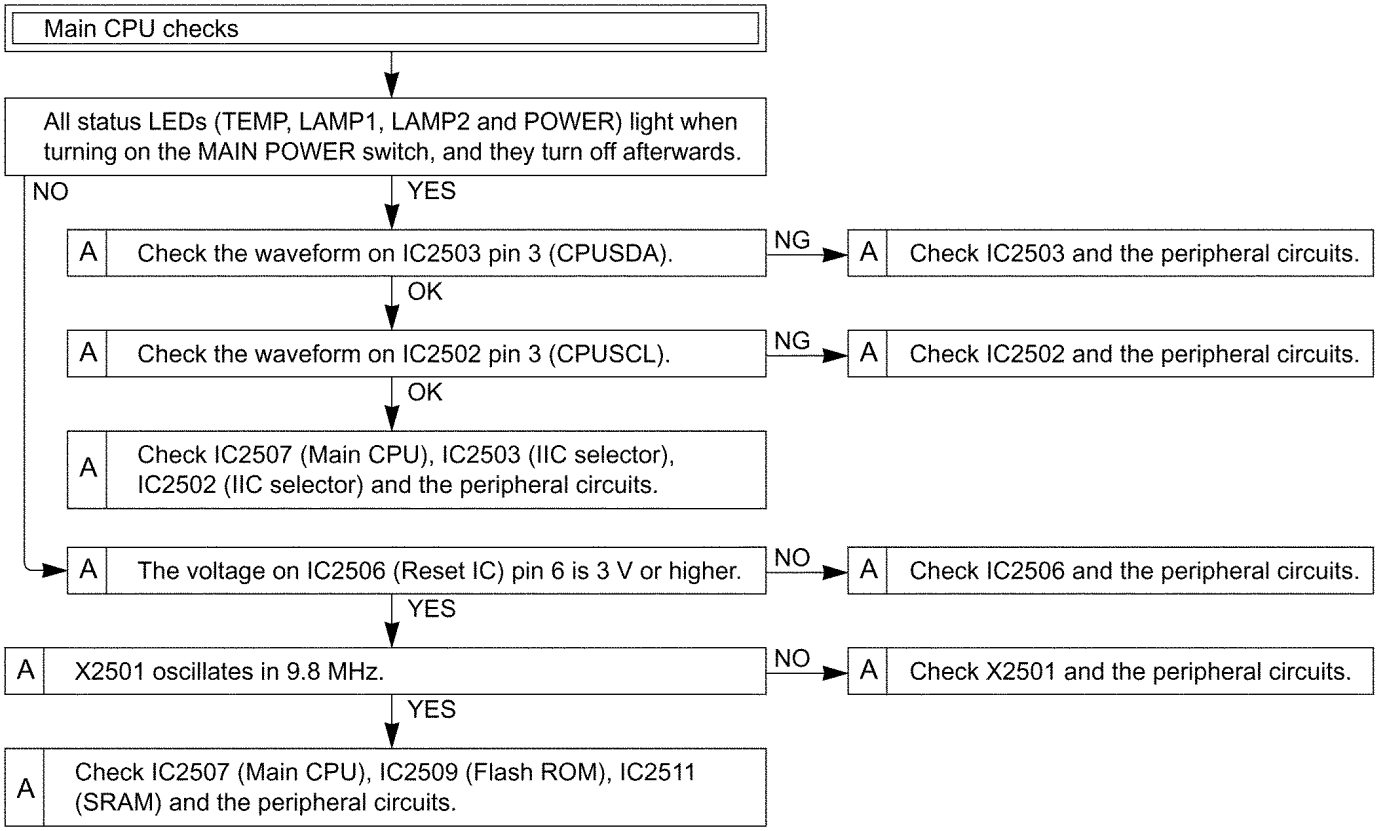

S-VIDEO input checks
Check the picture condition during VIDEO input.
NG
A
Check IC3049 and the peripheral circuits.
OK
Check the picture condition during RGB1, RGB2 and DVI-D inputs.
NG
Follow the section "A-P.C.Board checks".
OK
A
Check the waveform on IC3003.
Pin 93 (Y signal), Pin 98 (C signal)
OK
A
Check IC3003 and the peripheral circuits.
NG
A
Check Q3014, Q3015 and the peripheral circuits.

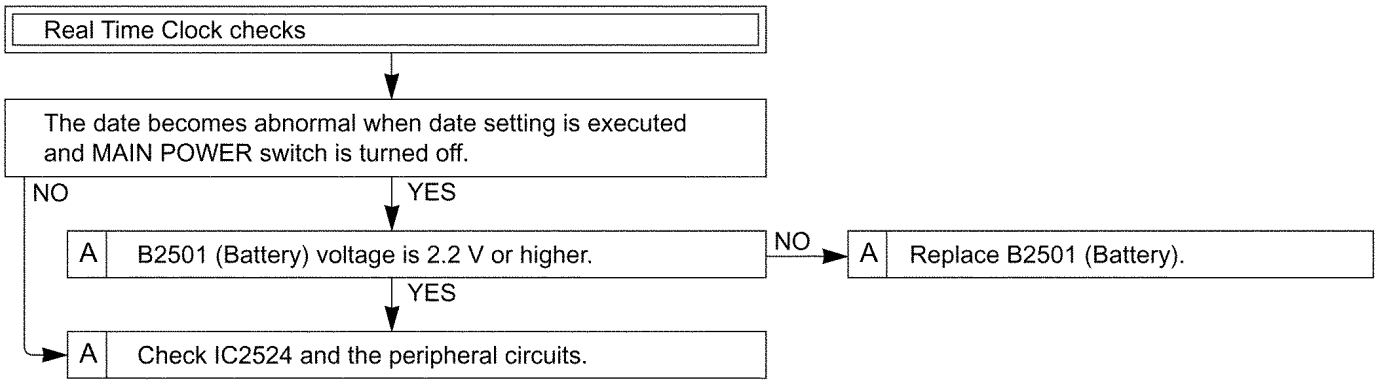

RGB1 input checks
Check the picture condition during RGB2 input.
NG
A
Check IC3013, IC3014 and the peripheral circuits.
OK
Check the picture condition during VIDEO, S-VIDEO and DVI-D inputs.
NG
Follow the section "A-P.C.Board checks".
OK
A
Check the waveform on IC3003.
Pin 94 (R), Pin 99 (G), Pin 96 (B), TPA05 (HS), TPA06 (VS)
OK
A
Check IC3003 and the peripheral circuits.
NG
A
Check FL3003, FL3004, FL3005, Q3002, Q3004 and the peripheral circuits.

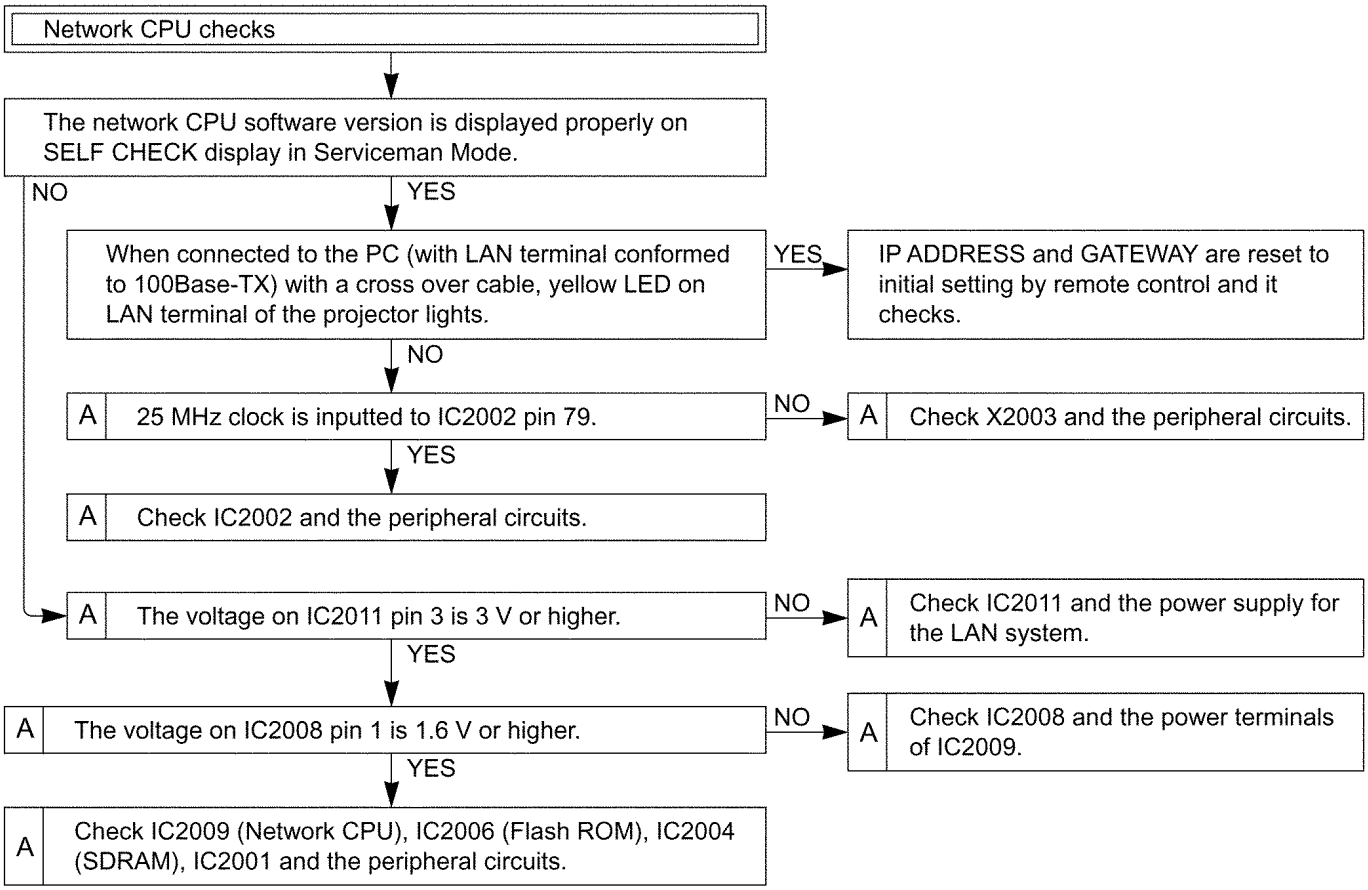

RGB2 input checks
Check the picture condition during RGB1 input.
NG
A
Check IC3013, IC3014 and the peripheral circuits.
OK
Check the picture condition during VIDEO, S-VIDEO and DVI-D inputs.
NG
Follow the section "A-P.C.Board checks".
OK
A
Check the waveform on IC3003.
Pin 81 (R), Pin 77 (G), Pin 79 (B), TPA05 (HS), TPA06 (VS)
OK
A
Check IC3003 and the peripheral circuits.
NG
A
Check FL3000, FL3001, FL3002, Q3000, Q3001 and the peripheral circuits.

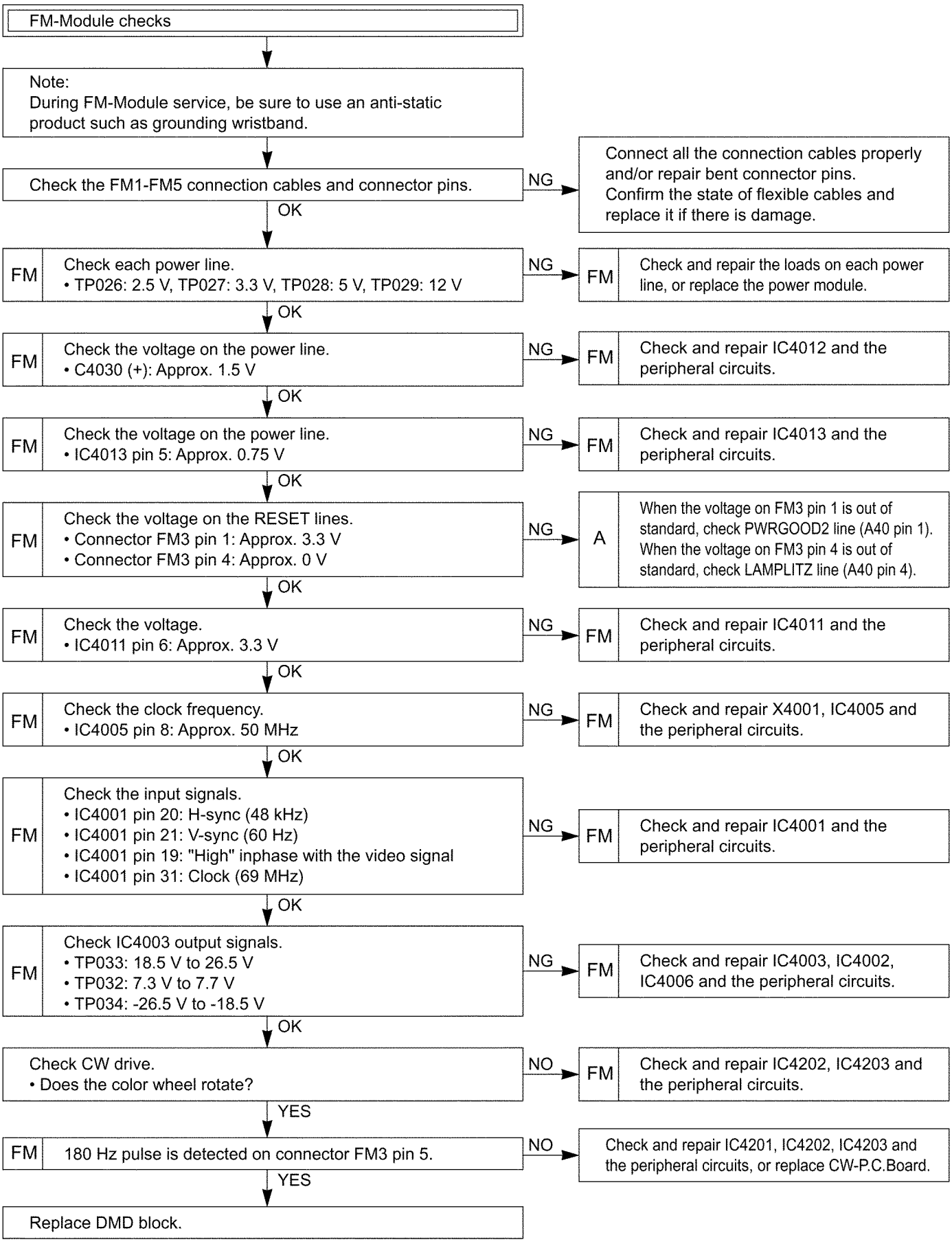

DVI-D input checks
Check the picture condition during VIDEO, S-VIDEO, RGB1 and RGB2 inputs.
NG
Follow the section "A-P.C.Board checks".
OK
A
Check the waveform on IC3003 pin 16.
OK
A
Check R3089, IC3034 and the peripheral circuits.
NG
A
Check between IC3003 and JK2003

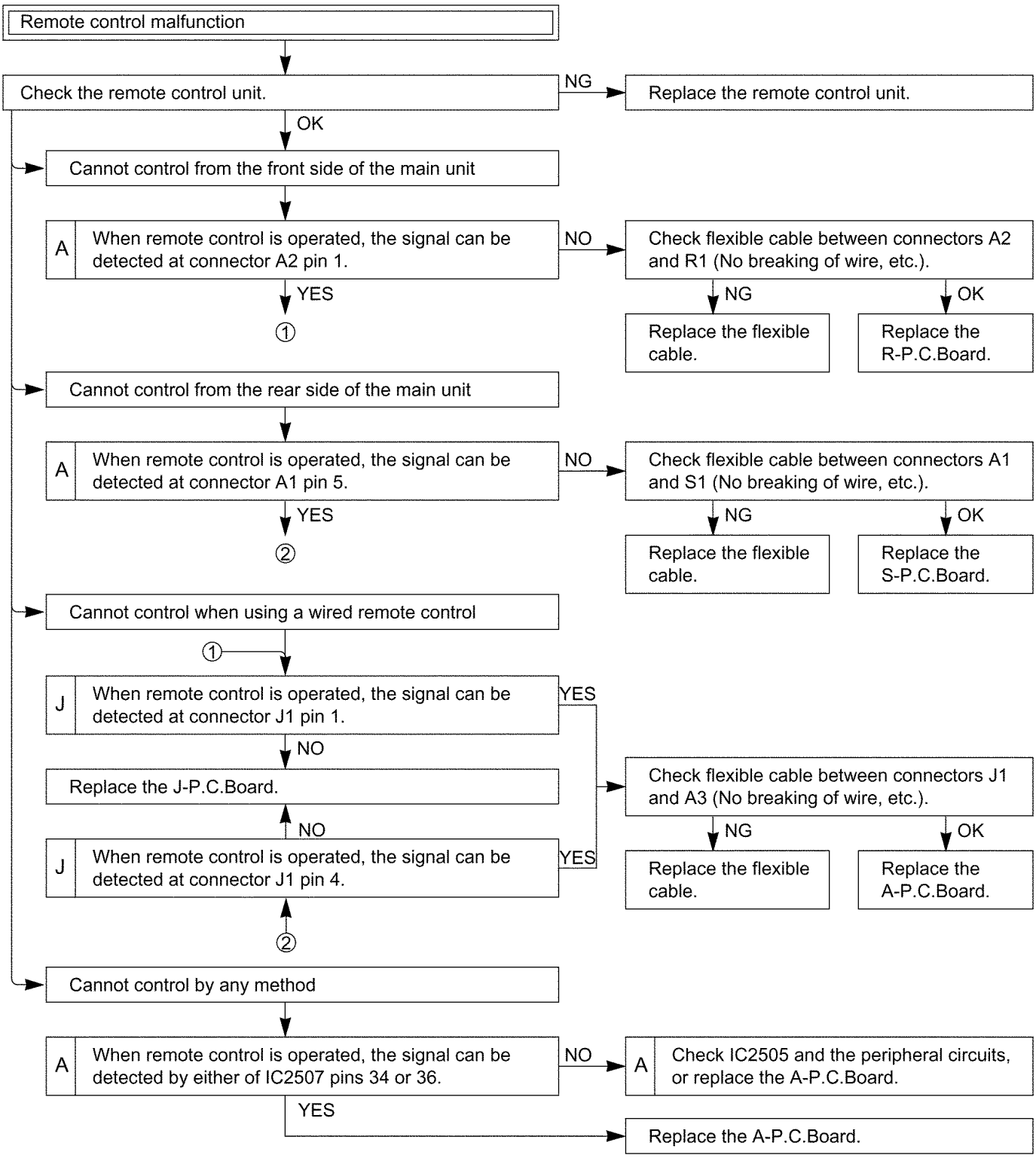

A-P.C.Board checks
A
Check the clock waveform.
• IC3049 pin 4: 73 MHz
• IC3049 pin 3: 18.25 MHz
NG
A
Check IC3049, X3000 and the peripheral circuits.
OK
A
Check the clock waveform.
• IC3038 pin 6: 73 MHz
NG
A
Check IC3038 and the peripheral circuits.
OK
A
Check IC3034 output waveform.
• TPA9 (H-sync) : 48.6 kHz
• TPA10 (V-sync) : 60 Hz
• R3133 (Clock) : 81.1 MHz
NG
A
Check IC3034 and the peripheral circuits.
OK
A
Check the following components.
• IC3042, IC3012 and the peripheral circuits
• Connector A41
NG
A
Repair or replace the defective component.
OK
Follow the section "FM-Module checks".

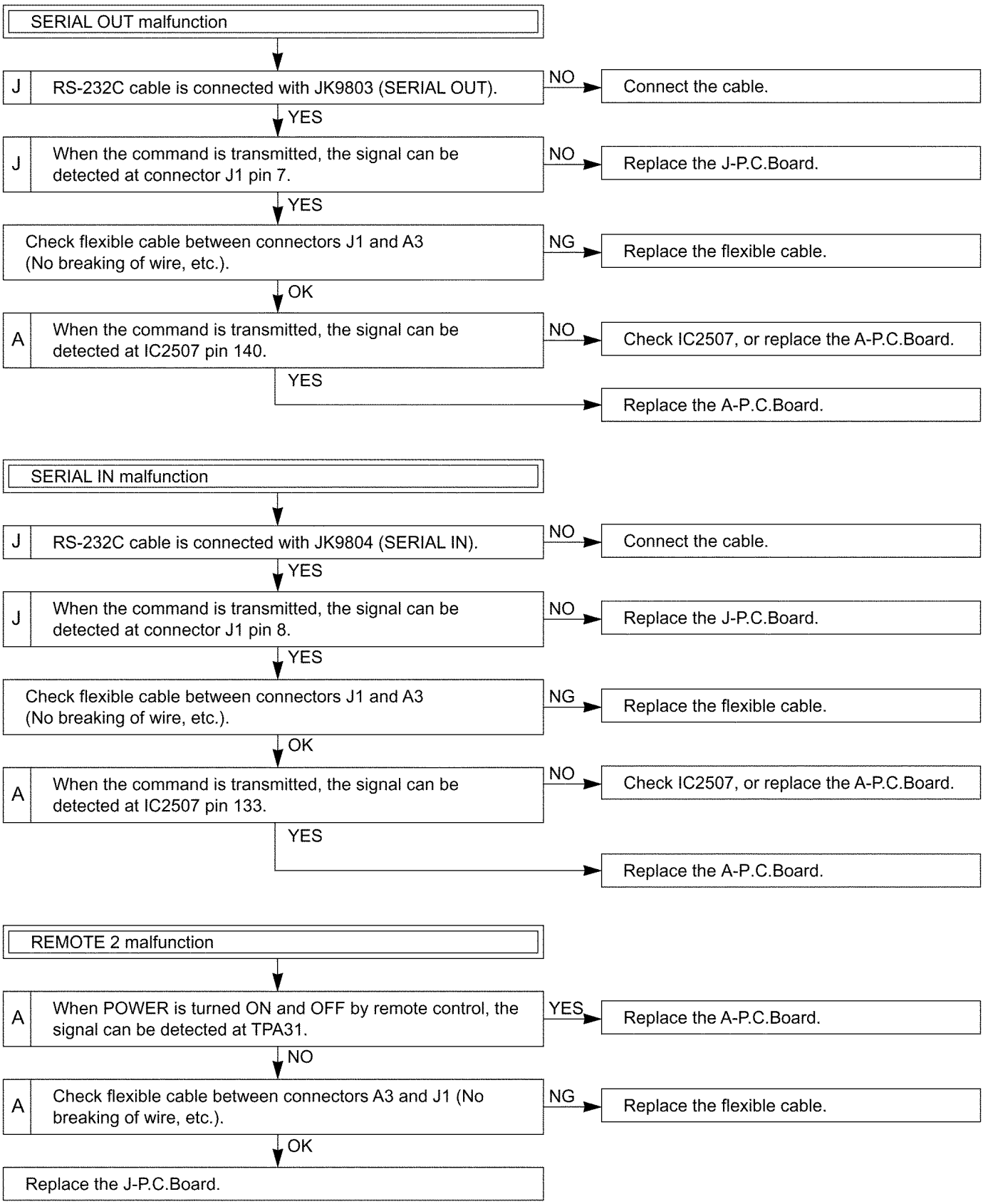

Main CPU checks
All status LEDs (TEMP, LAMP1, LAMP2 and POWER) light when turning on the MAIN POWER switch, and they turn off afterwards.
NO
YES
A
Check the waveform on IC2503 pin 3 (CPUSDA).
NG
A
Check IC2503 and the peripheral circuits.
OK
A
Check the waveform on IC2502 pin 3 (CPUSCL).
NG
A
Check IC2502 and the peripheral circuits.
OK
A
Check IC2507 (Main CPU), IC2503 (IIC selector), IC2502 (IIC selector) and the peripheral circuits.
A
The voltage on IC2506 (Reset IC) pin 6 is 3 V or higher.
NO
A
Check IC2506 and the peripheral circuits.
YES
A
X2501 oscillates in 9.8 MHz.
NO
A
Check X2501 and the peripheral circuits.
YES
A
Check IC2507 (Main CPU), IC2509 (Flash ROM), IC2511 (SRAM) and the peripheral circuits.

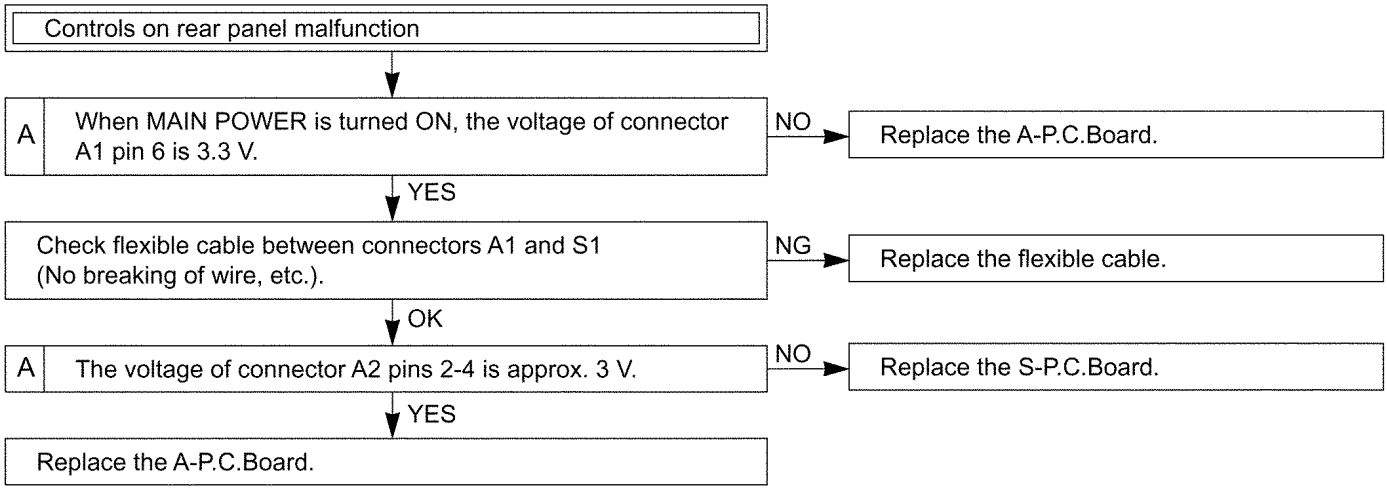

Real Time Clock checks
The date becomes abnormal when date setting is executed and MAIN POWER switch is turned off.
NO
YES
A
B2501 (Battery) voltage is 2.2 V or higher.
NO
A
Replace B2501 (Battery).
YES
A
Check IC2524 and the peripheral circuits.

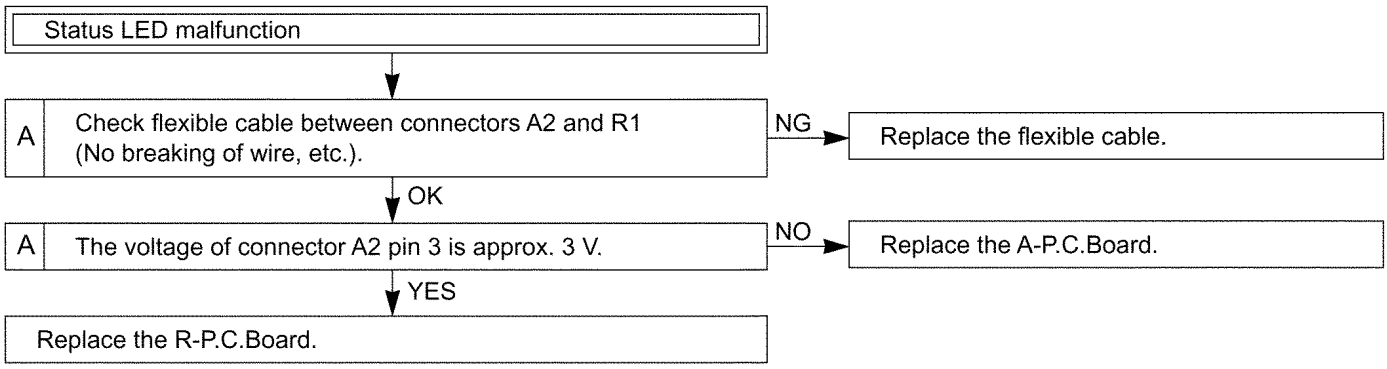

Network CPU checks
The network CPU software version is displayed properly on SELF CHECK display in Serviceman Mode.
NO
YES
When connected to the PC (with LAN terminal conformed to 100Base-TX) with a cross over cable, yellow LED on LAN terminal of the projector lights.
YES
IP ADDRESS and GATEWAY are reset to initial setting by remote control and it checks.
NO
A
25 MHz clock is inputted to IC2002 pin 79.
NO
A
Check X2003 and the peripheral circuits.
YES
A
Check IC2002 and the peripheral circuits.
A
The voltage on IC2011 pin 3 is 3 V or higher.
NO
A
Check IC2011 and the power supply for the LAN system.
YES
A
The voltage on IC2008 pin 1 is 1.6 V or higher.
NO
A
Check IC2008 and the power terminals of IC2009.
YES
A
Check IC2009 (Network CPU), IC2006 (Flash ROM), IC2004 (SDRAM), IC2001 and the peripheral circuits.


FM-Module checks
Note:
During FM-Module service, be sure to use an anti-static product such as grounding wristband.
Check the FM1-FM5 connection cables and connector pins.
NG
Connect all the connection cables properly and/or repair bent connector pins.
Confirm the state of flexible cables and replace it if there is damage.
OK
FM
Check each power line.
• TP026: 2.5 V, TP027: 3.3 V, TP028: 5 V, TP029: 12 V
NG
FM
Check and repair the loads on each power line, or replace the power module.
OK
FM
Check the voltage on the power line.
• C4030 (+): Approx. 1.5 V
NG
FM
Check and repair IC4012 and the peripheral circuits.
OK
FM
Check the voltage on the power line.
• IC4013 pin 5: Approx. 0.75 V
NG
FM
Check and repair IC4013 and the peripheral circuits.
OK
FM
Check the voltage on the RESET lines.
• Connector FM3 pin 1: Approx. 3.3 V
• Connector FM3 pin 4: Approx. 0 V
NG
A
When the voltage on FM3 pin 1 is out of standard, check PWRGOOD2 line (A40 pin 1).
When the voltage on FM3 pin 4 is out of standard, check LAMPLITZ line (A40 pin 4).
OK
FM
Check the voltage.
• IC4011 pin 6: Approx. 3.3 V
NG
FM
Check and repair IC4011 and the peripheral circuits.
OK
FM
Check the clock frequency.
• IC4005 pin 8: Approx. 50 MHz
NG
FM
Check and repair X4001, IC4005 and the peripheral circuits.
OK
FM
Check the input signals.
• IC4001 pin 20: H-sync (48 kHz)
• IC4001 pin 21: V-sync (60 Hz)
• IC4001 pin 19: "High" inphase with the video signal
• IC4001 pin 31: Clock (69 MHz)
NG
FM
Check and repair IC4001 and the peripheral circuits.
OK
FM
Check IC4003 output signals.
• TP033: 18.5 V to 26.5 V
• TP032: 7.3 V to 7.7 V
• TP034: -26.5 V to -18.5 V
NG
FM
Check and repair IC4003, IC4002, IC4006 and the peripheral circuits.
OK
Check CW drive.
• Does the color wheel rotate?
NO
FM
Check and repair IC4202, IC4203 and the peripheral circuits.
YES
FM
180 Hz pulse is detected on connector FM3 pin 5.
NO
Check and repair IC4201, IC4202, IC4203 and the peripheral circuits, or replace CW-P.C.Board.
YES
Replace DMD block.


Remote control malfunction
Check the remote control unit.
NG
Replace the remote control unit.
OK
Cannot control from the front side of the main unit
A
When remote control is operated, the signal can be detected at connector A2 pin 1.
NO
Check flexible cable between connectors A2 and R1 (No breaking of wire, etc.).
YES
NG
OK
Replace the flexible cable.
Replace the R-P.C.Board.
①
Cannot control from the rear side of the main unit
A
When remote control is operated, the signal can be detected at connector A1 pin 5.
NO
Check flexible cable between connectors A1 and S1 (No breaking of wire, etc.).
YES
NG
OK
Replace the flexible cable.
Replace the S-P.C.Board.
②
Cannot control when using a wired remote control
①
J
When remote control is operated, the signal can be detected at connector J1 pin 1.
YES
NO
Replace the J-P.C.Board.
Check flexible cable between connectors J1 and A3 (No breaking of wire, etc.).
NO
NG
OK
J
When remote control is operated, the signal can be detected at connector J1 pin 4.
YES
Replace the flexible cable.
Replace the A-P.C.Board.
②
Cannot control by any method
A
When remote control is operated, the signal can be detected by either of IC2507 pins 34 or 36.
NO
A
Check IC2505 and the peripheral circuits, or replace the A-P.C.Board.
YES
Replace the A-P.C.Board.


SERIAL OUT malfunction
J
RS-232C cable is connected with JK9803 (SERIAL OUT).
NO
Connect the cable.
YES
J
When the command is transmitted, the signal can be detected at connector J1 pin 7.
NO
Replace the J-P.C.Board.
YES
Check flexible cable between connectors J1 and A3 (No breaking of wire, etc.).
NG
Replace the flexible cable.
OK
A
When the command is transmitted, the signal can be detected at IC2507 pin 140.
NO
Check IC2507, or replace the A-P.C.Board.
YES
Replace the A-P.C.Board.
SERIAL IN malfunction
J
RS-232C cable is connected with JK9804 (SERIAL IN).
NO
Connect the cable.
YES
J
When the command is transmitted, the signal can be detected at connector J1 pin 8.
NO
Replace the J-P.C.Board.
YES
Check flexible cable between connectors J1 and A3 (No breaking of wire, etc.).
NG
Replace the flexible cable.
OK
A
When the command is transmitted, the signal can be detected at IC2507 pin 133.
NO
Check IC2507, or replace the A-P.C.Board.
YES
Replace the A-P.C.Board.
REMOTE 2 malfunction
A
When POWER is turned ON and OFF by remote control, the signal can be detected at TPA31.
YES
Replace the A-P.C.Board.
NO
A
Check flexible cable between connectors A3 and J1 (No breaking of wire, etc.).
NG
Replace the flexible cable.
OK
Replace the J-P.C.Board.

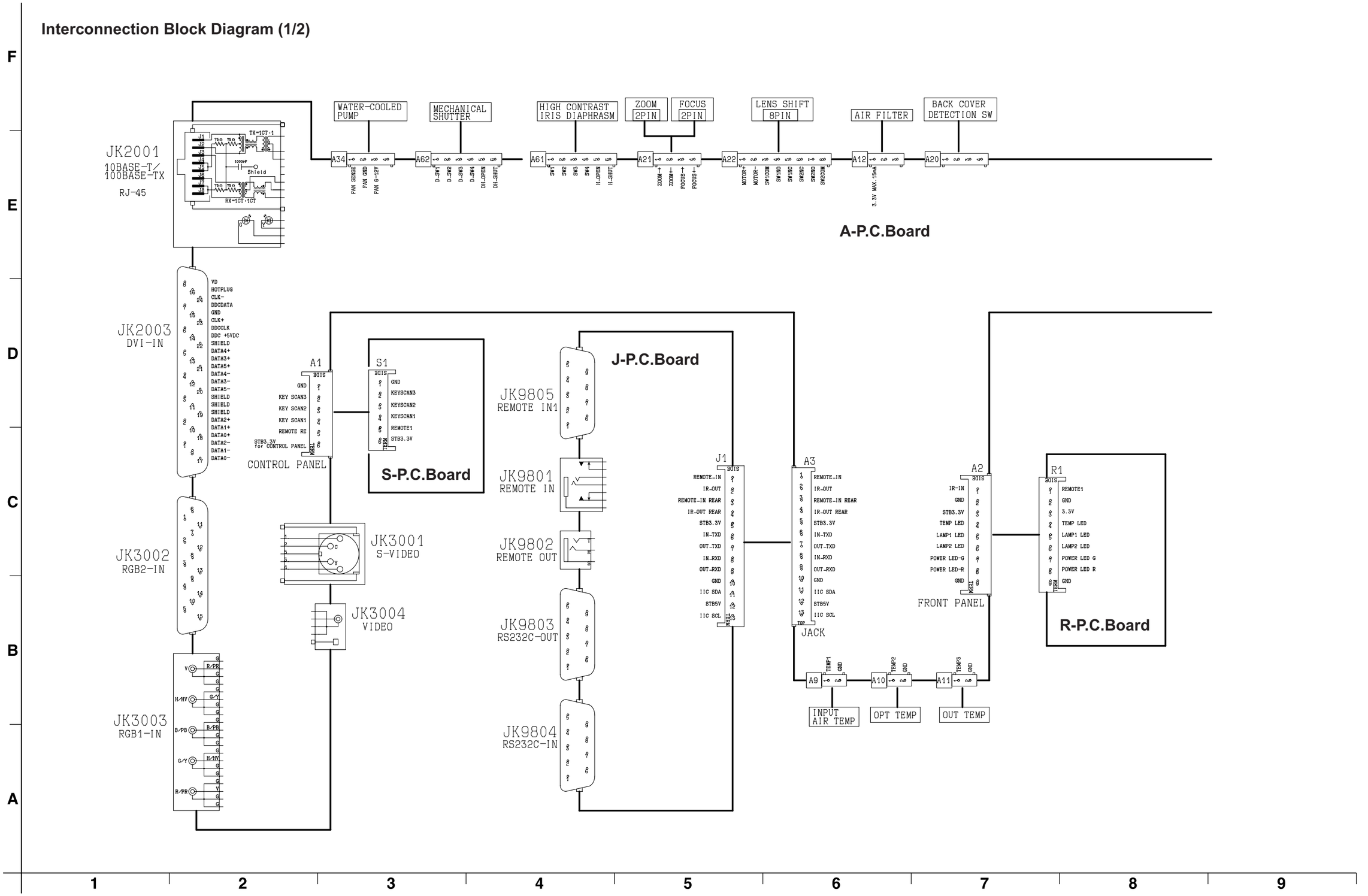

Controls on rear panel malfunction
A
When MAIN POWER is turned ON, the voltage of connector A1 pin 6 is 3.3 V.
NO
Replace the A-P.C.Board.
YES
Check flexible cable between connectors A1 and S1 (No breaking of wire, etc.).
NG
Replace the flexible cable.
OK
A
The voltage of connector A2 pins 2-4 is approx. 3 V.
NO
Replace the S-P.C.Board.
YES
Replace the A-P.C.Board.


Status LED malfunction
A
Check flexible cable between connectors A2 and R1 (No breaking of wire, etc.).
NG
Replace the flexible cable.
OK
A
The voltage of connector A2 pin 3 is approx. 3 V.
NO
Replace the A-P.C.Board.
YES
Replace the R-P.C.Board.

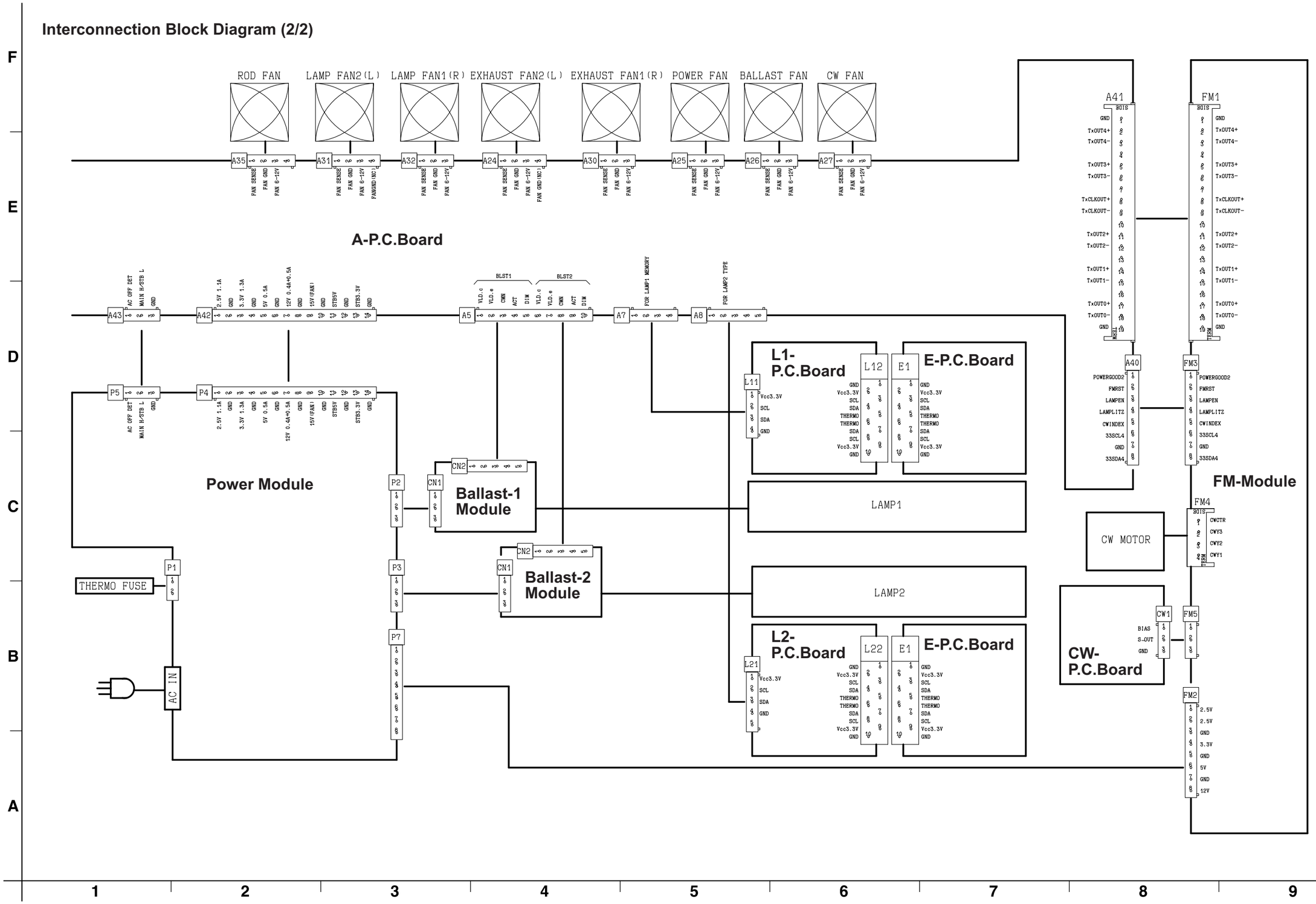
13 Interconnection Block Diagram

13.1. Interconnection Block Diagram (1/2)

Interconnection Block Diagram (1/2)



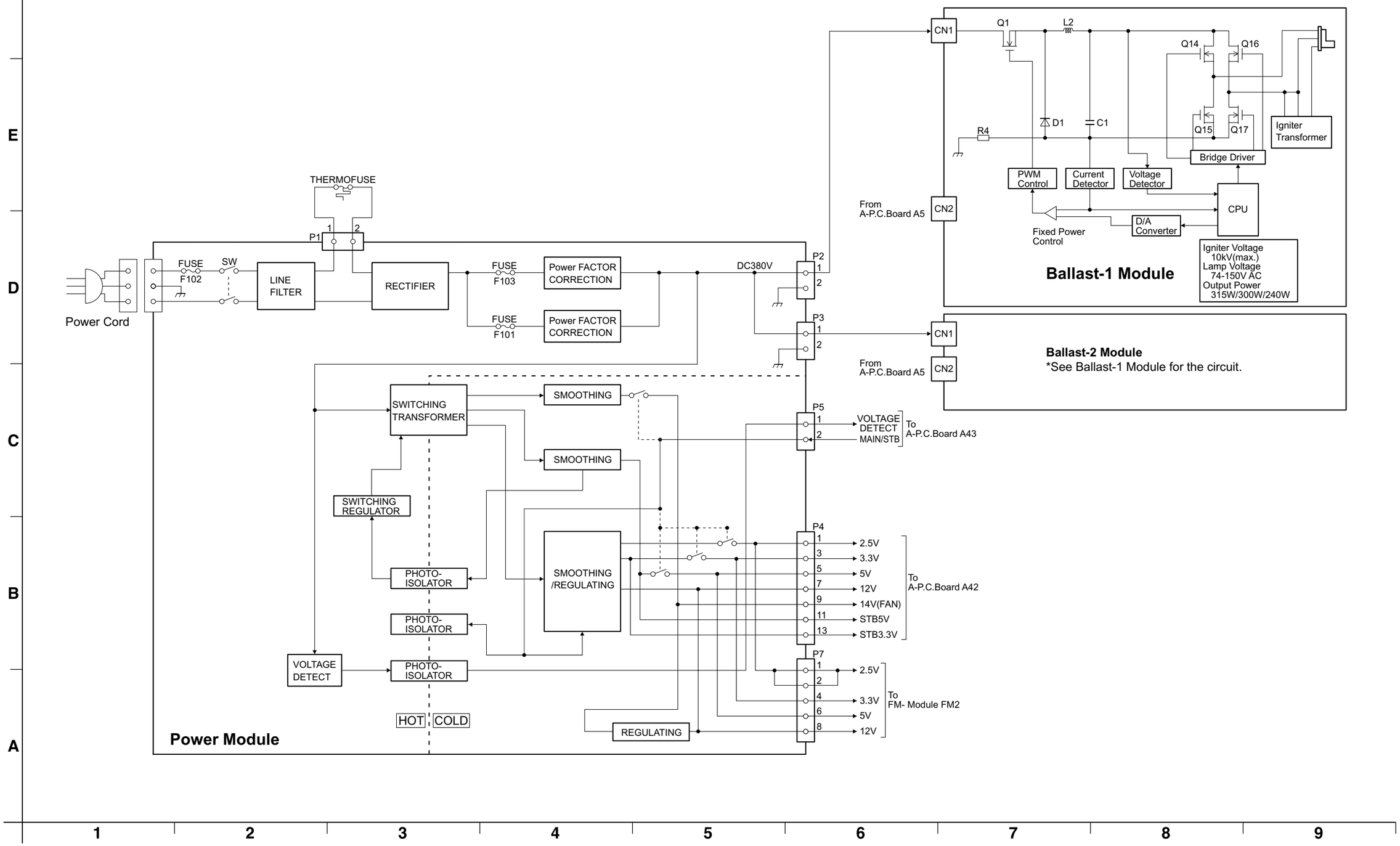
13.2. Interconnection Block Diagram (2/2)



14 Block Diagram

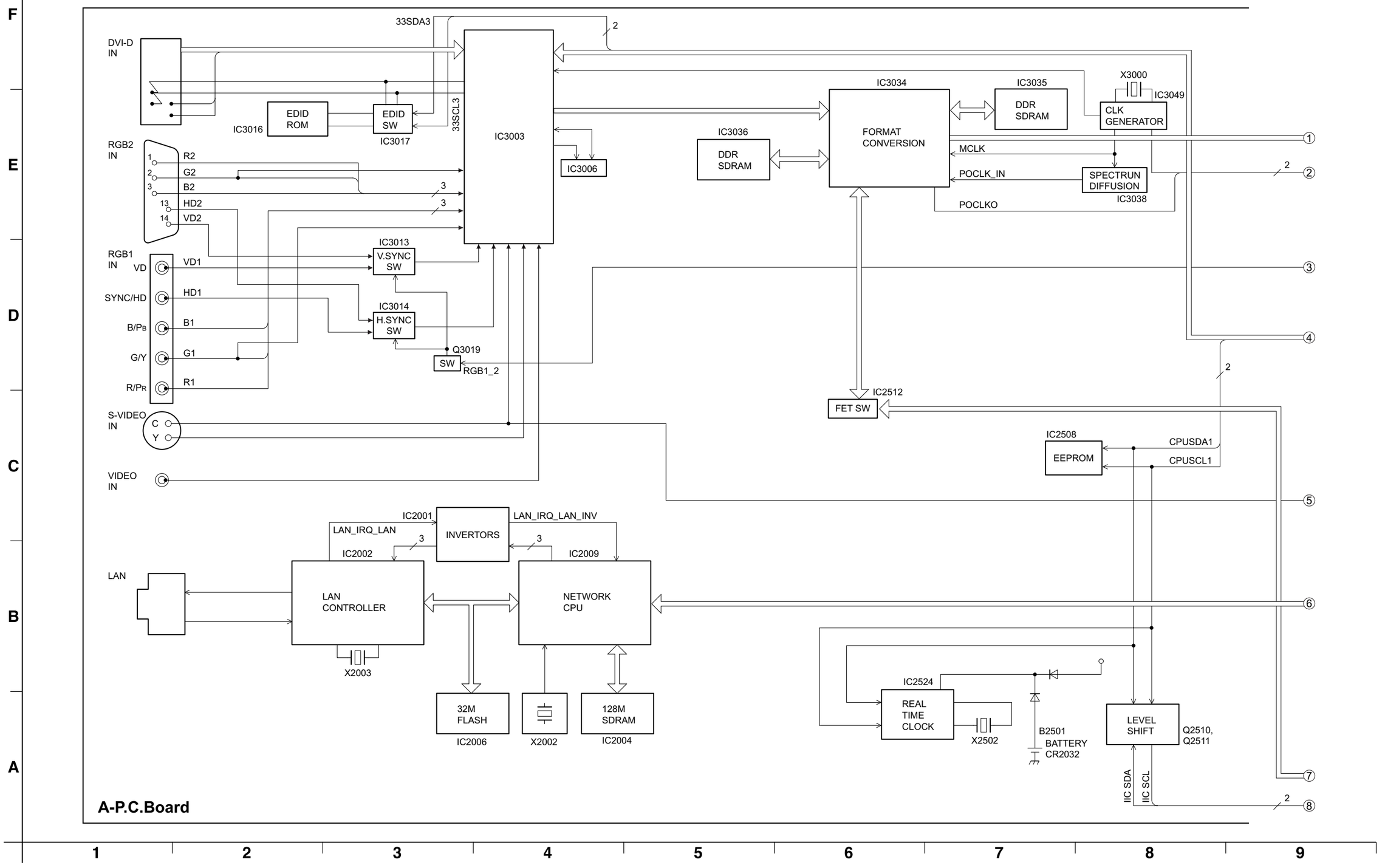
14.1. Power Supply

Power Supply

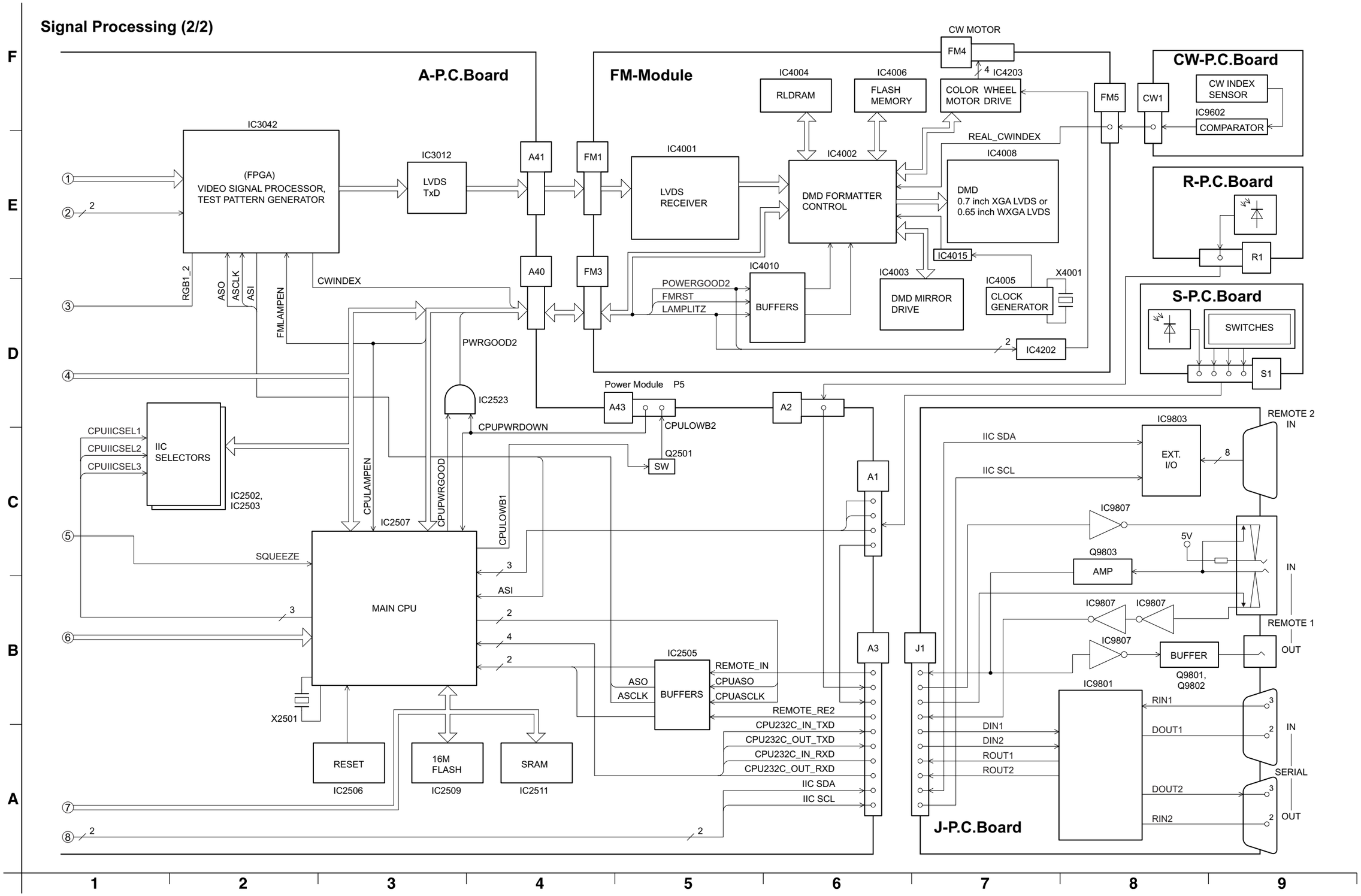


14.2. Signal Processing (1/2)

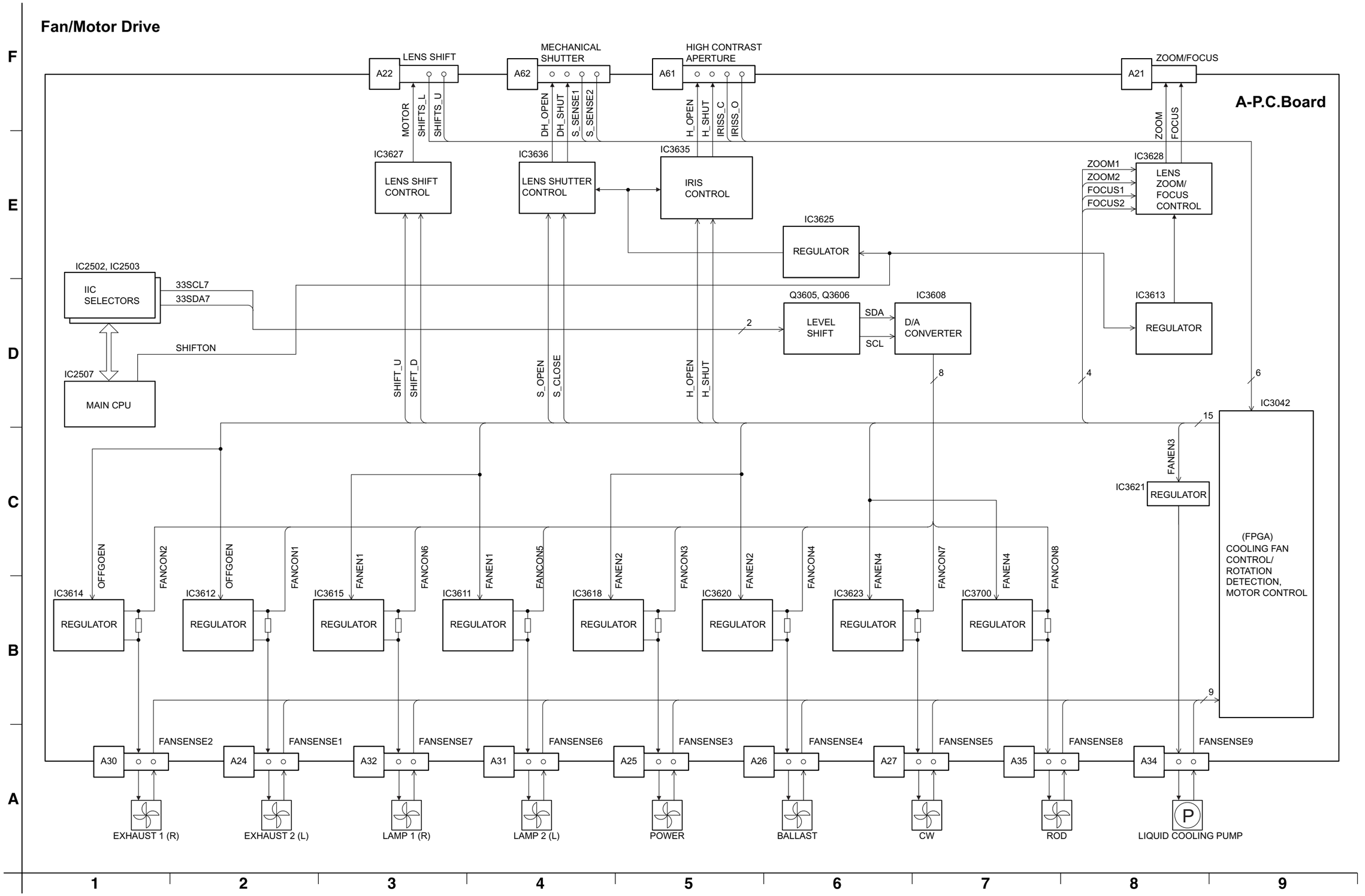
Signal Processing (1/2)



14.3. Signal Processing (2/2)



14.4. Fan/Motor Drive



15 Schematic Diagram

Schematic Diagram for Model PT-D5700U/UL, PT-DW5100U/UL

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK HAZARDS.
WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

Schematic Diagram for Model PT-D5700E/EL, PT-DW5100E/EL

Important Safety Notice

Components identified by the international symbol ⚠ have special characteristics important for safety. When replacing any of these components, use only the manufacturer's specified ones.

Notes:

1. **Resistor**

   All the resistors are carbon 1/4W resistors, unless marked as follows: The unit of resistance is an OHM [Ω] (K=1 000 M=1 000 000).

   ○ : Nonflammable
   ⊠ : Metal Oxide
   △ : Solid
   ◎ : Metal Film
   ⊘ : Wire Wound
   ⊗ : Fuse

2. **Capacitor**

   ⊗ : Temperature Compensation
   ⧺ : Electrolytic
   Ⓜ : Polyester
   NP⧺ : Bipolar
   ⓜ : Metalized Polyester
   Ⓣ : Dipped Tantalum
   ⊠ : Polypropylene
   Ⓩ : Z-Type

3. **Coil**

   The unit of inductance is a H, unless otherwise noted.

4. **Test Point**

   ● : Test Point

5. **Voltage Measurement**

   The voltage is measured by an electronic voltmeter receiving the colorbar signal when all the customer's controls are set to the standard condition.

6. **Color code for the links between diagrams and circuit boards**

From/To		To/From	Color code
Block diagram	↔	Schematic diagram	Magenta
Schematic diagram	↔	Schematic diagram	Green
Schematic diagram	↔	Circuit boards	Yellow
Schematic diagram	↔	Waveforms	Cyan (Light blue)

7. **HOT and COLD indications**

   The power circuit board contains a circuit area using a separate power supply to isolate the ground connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the precautions below:

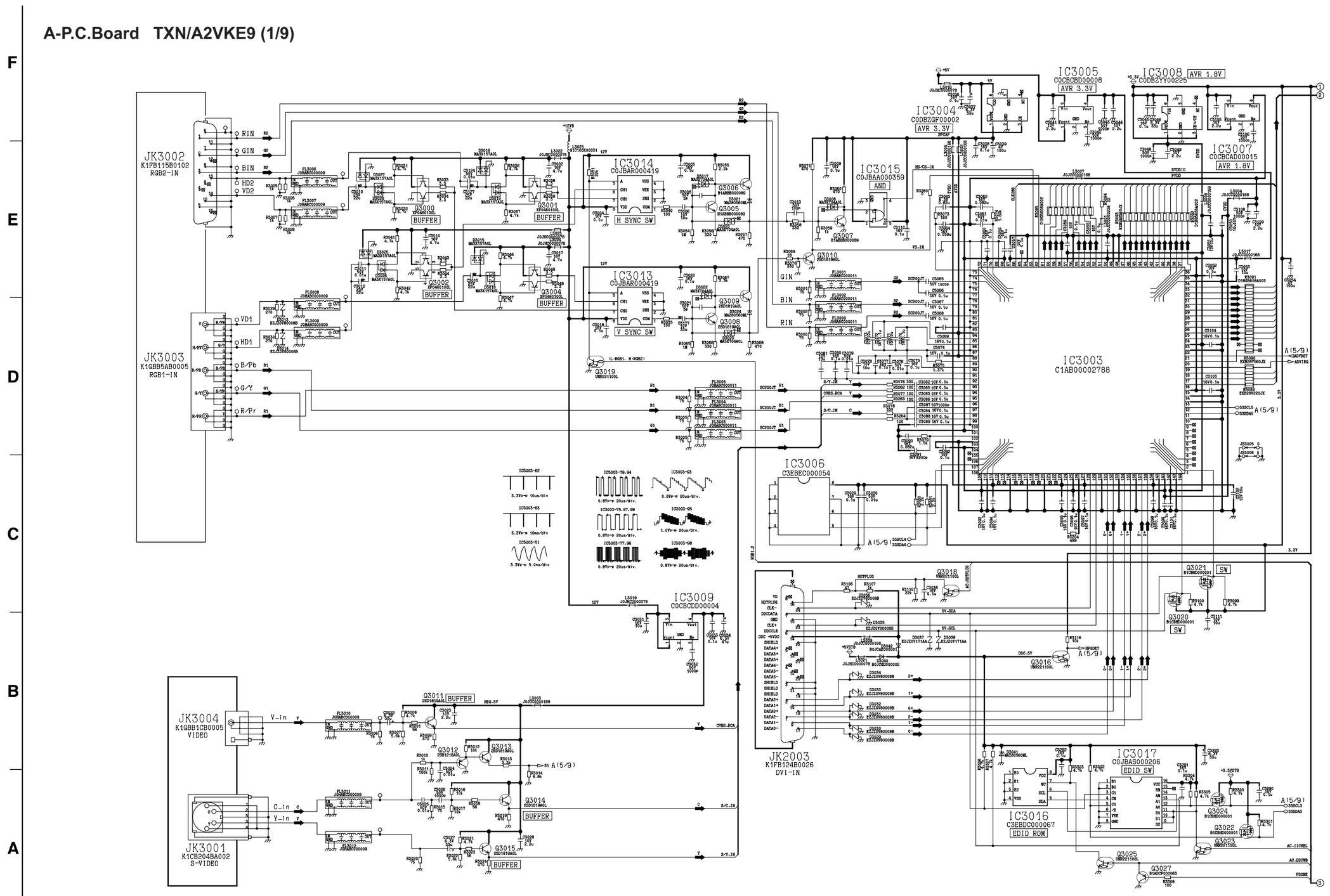
8. **This schematic diagram is the latest at the time of printing and the subject to change without notice.**

Precautions:

1. NEVER touch the HOT part or the HOT and COLD parts at the same time, or you may get an electric shock.
2. NEVER short-circuit the HOT and COLD circuits, or the fuse may blow and the parts may break.
3. NEVER connect an instrument such oscilloscope to the HOT and COLD circuit simultaneously, or the fuse may blow.Connect the ground of instruments to the ground of the circuit being measured.
4. MAKE SURE to unplug the power cord from the power outlet before removing the chassis.

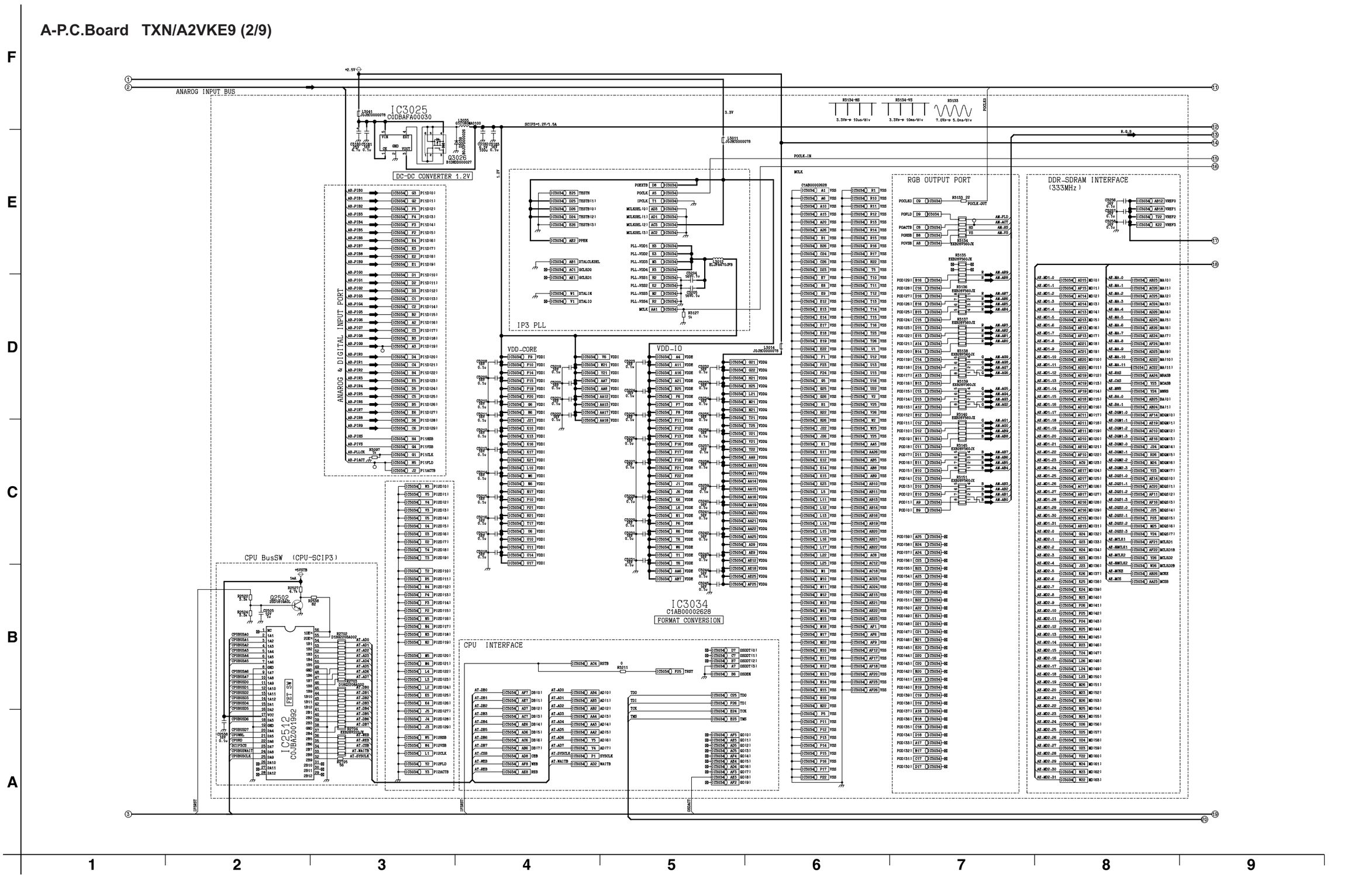
15.1. A-P.C.Board (1/9)

A-P.C.Board TXN/A2VKE9 (1/9)



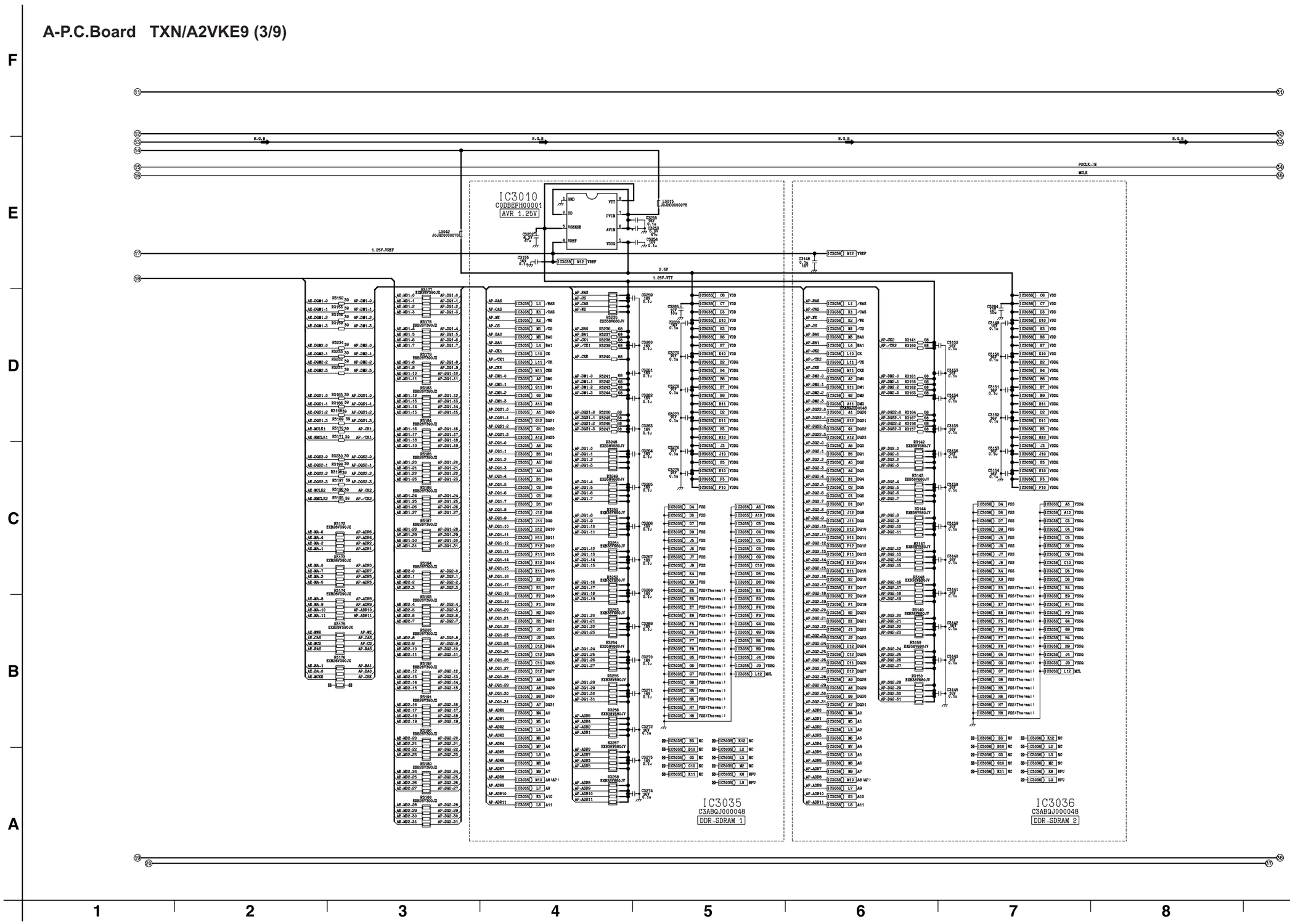
15.2. A-P.C.Board (2/9)

A-P.C.Board TXN/A2VKE9 (2/9)



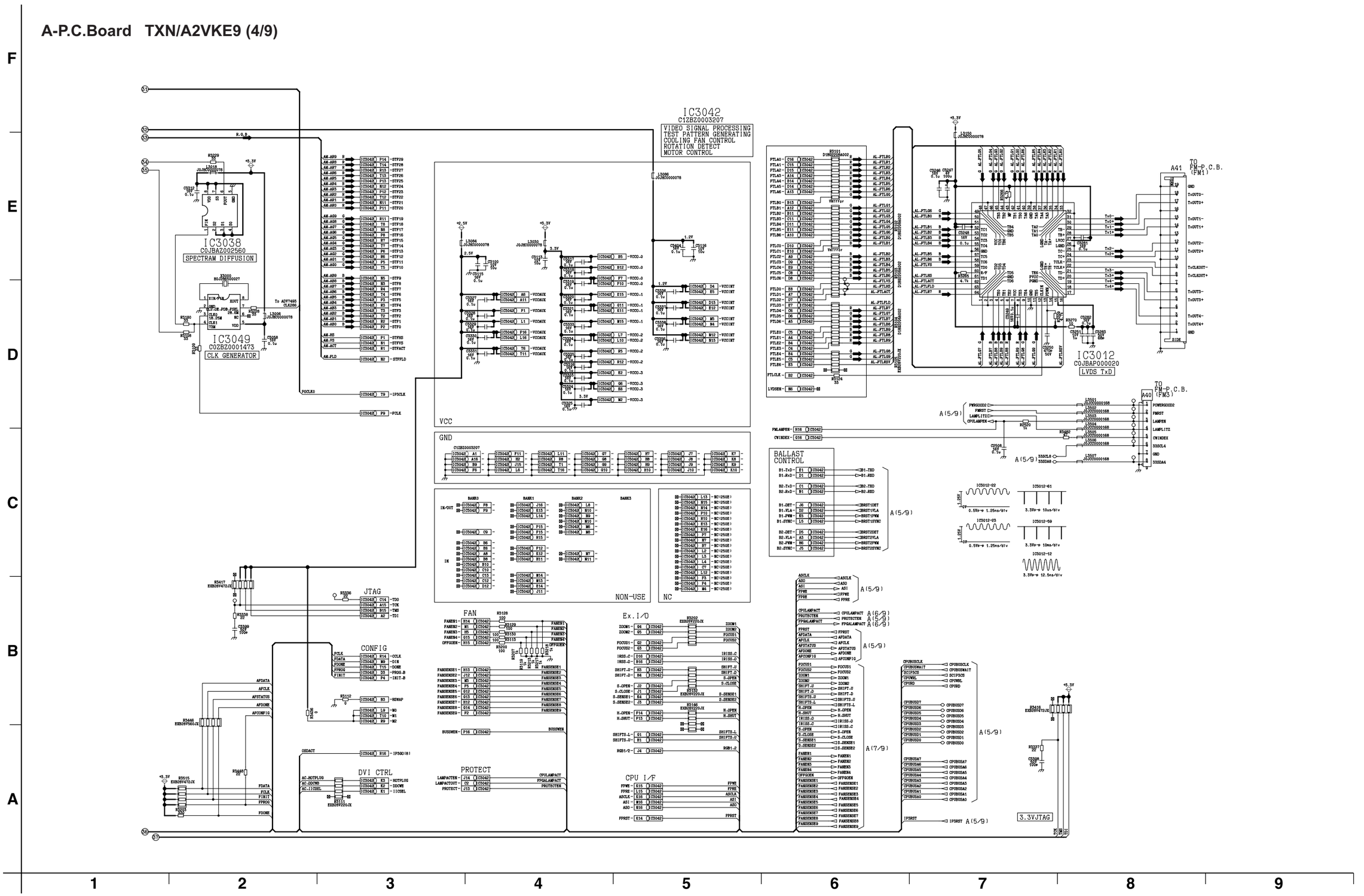
15.3. A-P.C.Board (3/9)

A-P.C.Board TXN/A2VKE9 (3/9)



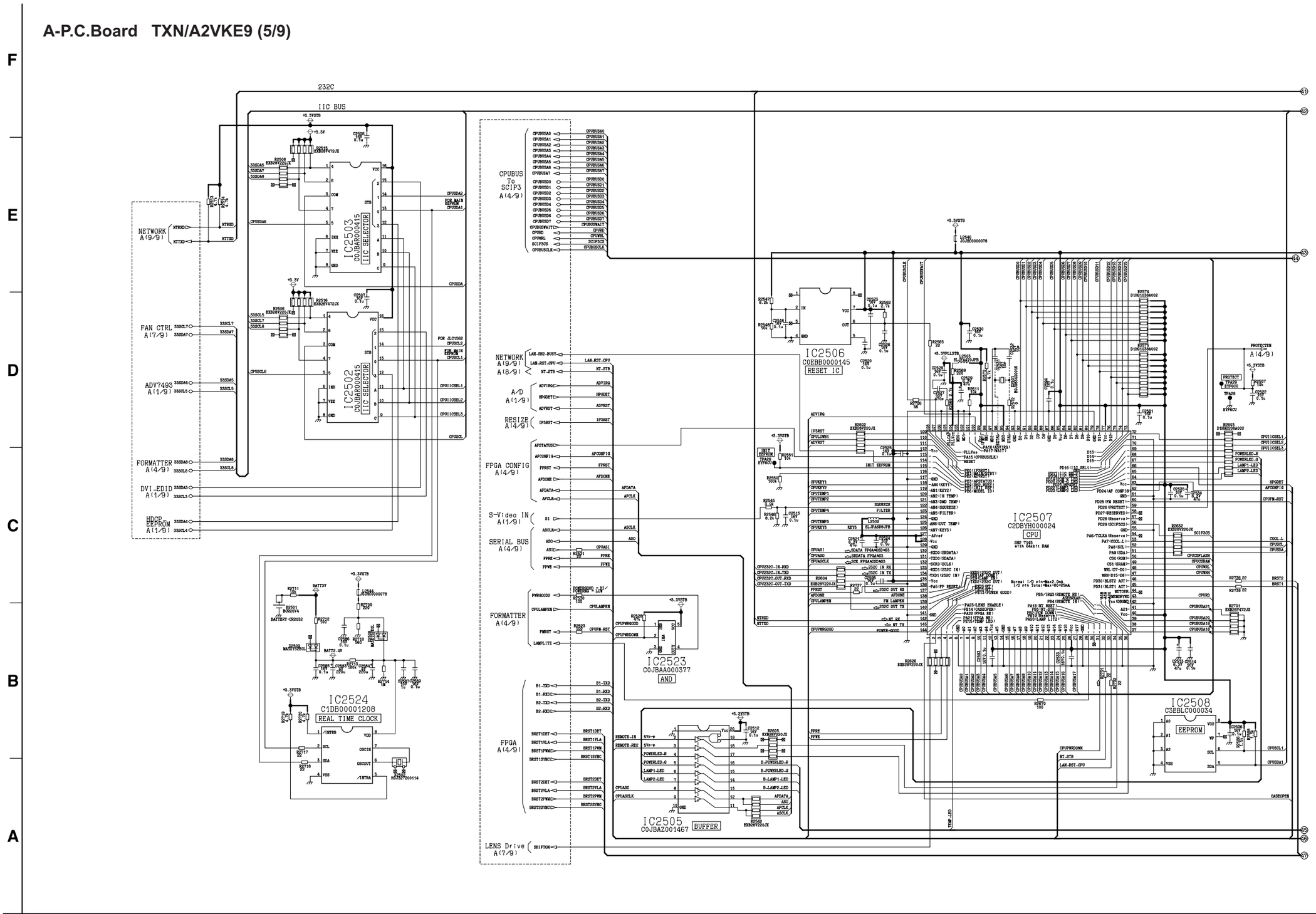
15.4. A-P.C.Board (4/9)

A-P.C.Board TXN/A2VKE9 (4/9)



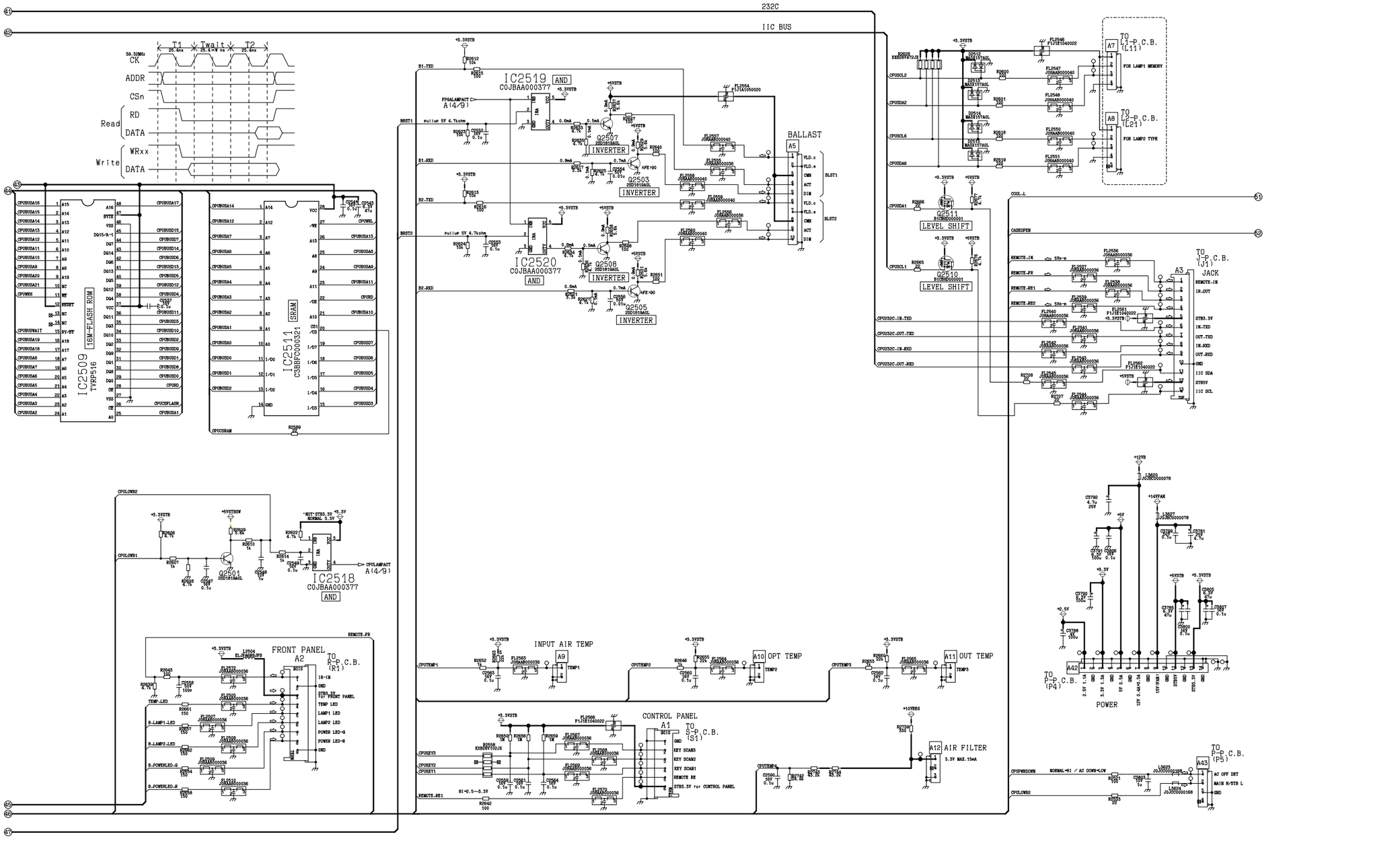
15.5. A-P.C.Board (5/9)

A-P.C.Board TXN/A2VKE9 (5/9)



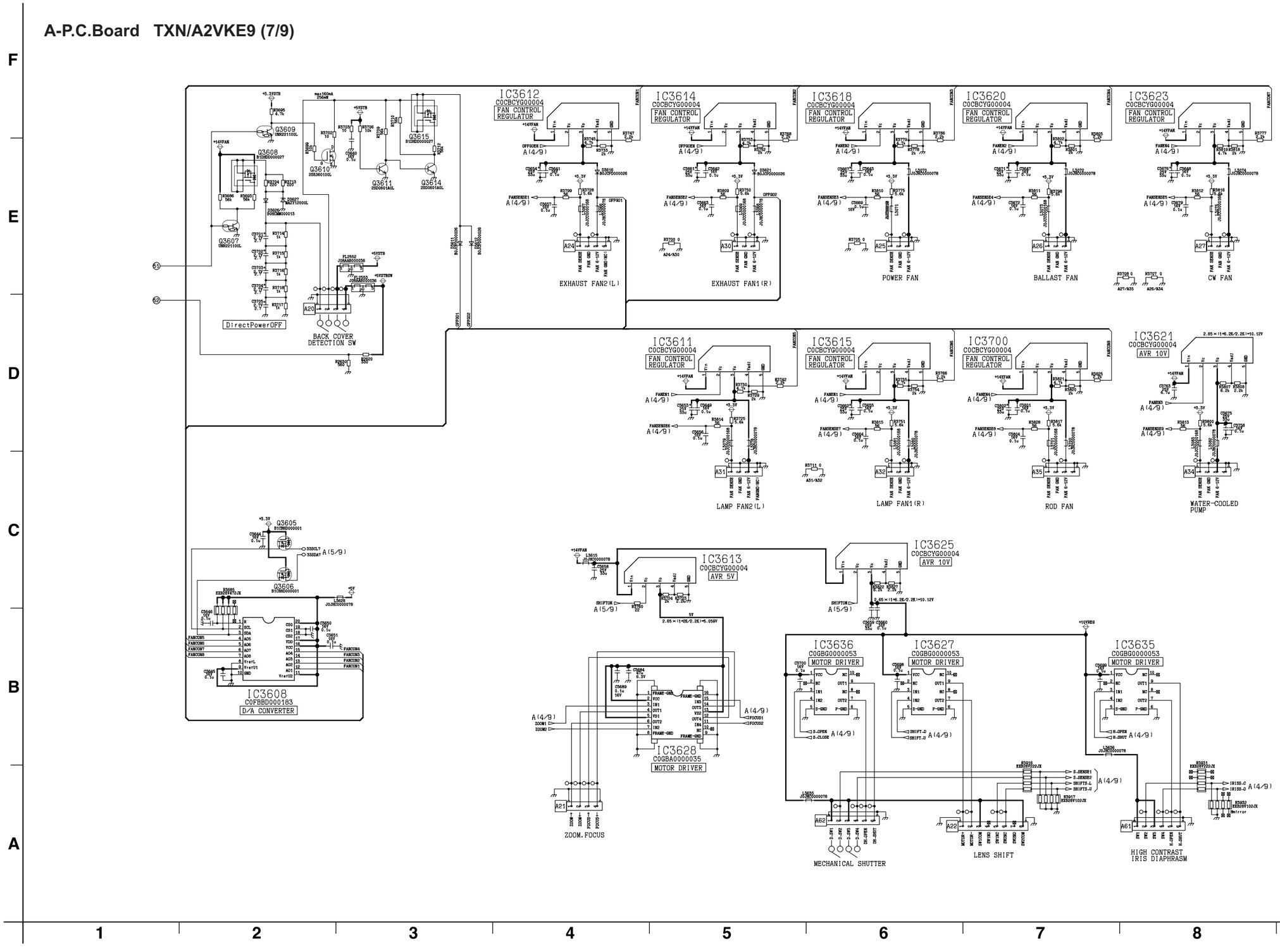
15.6. A-P.C.Board (6/9)

A-P.C.Board TXN/A2VKE9 (6/9)



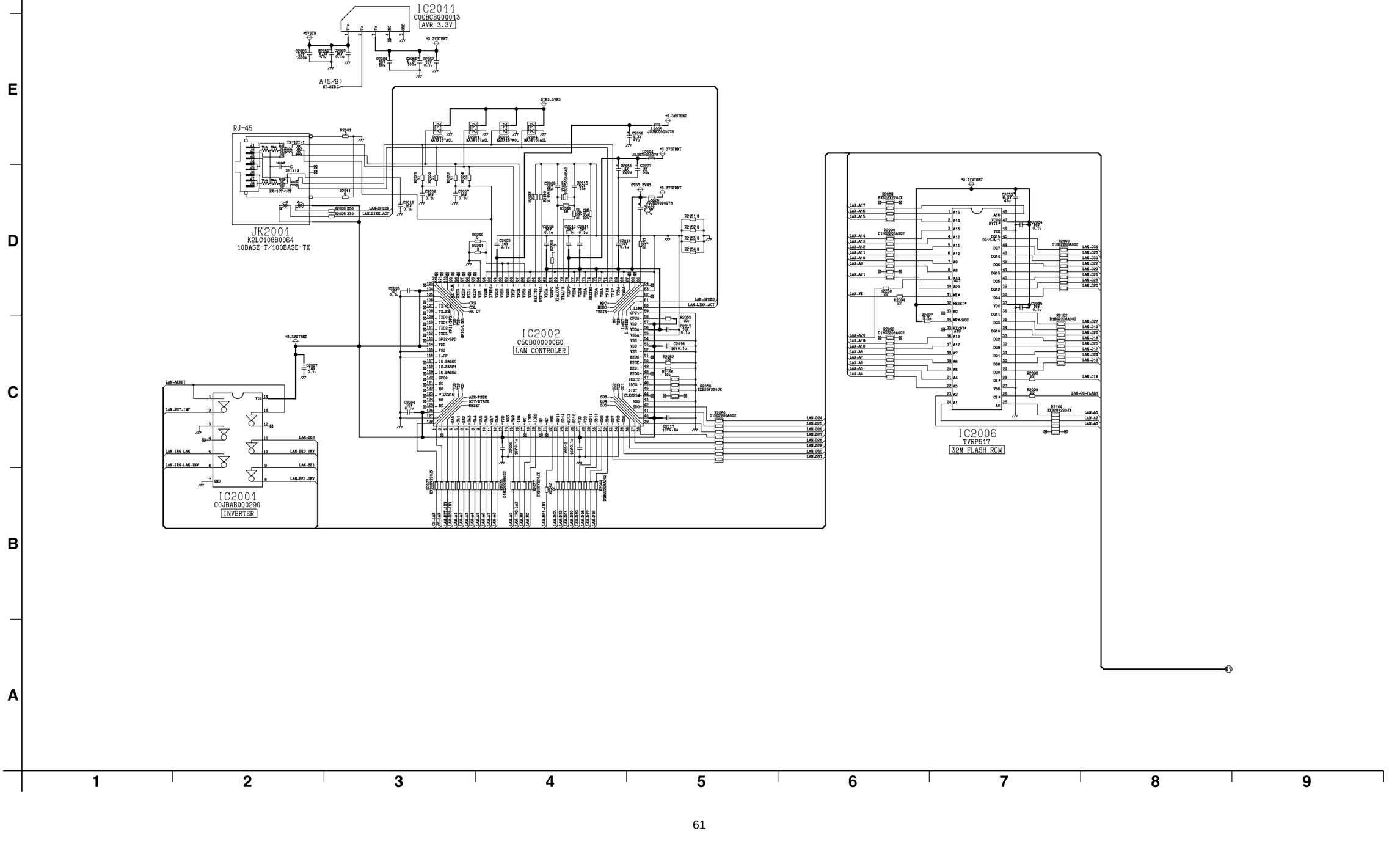
15.7. A-P.C.Board (7/9)

A-P.C.Board TXN/A2VKE9 (7/9)



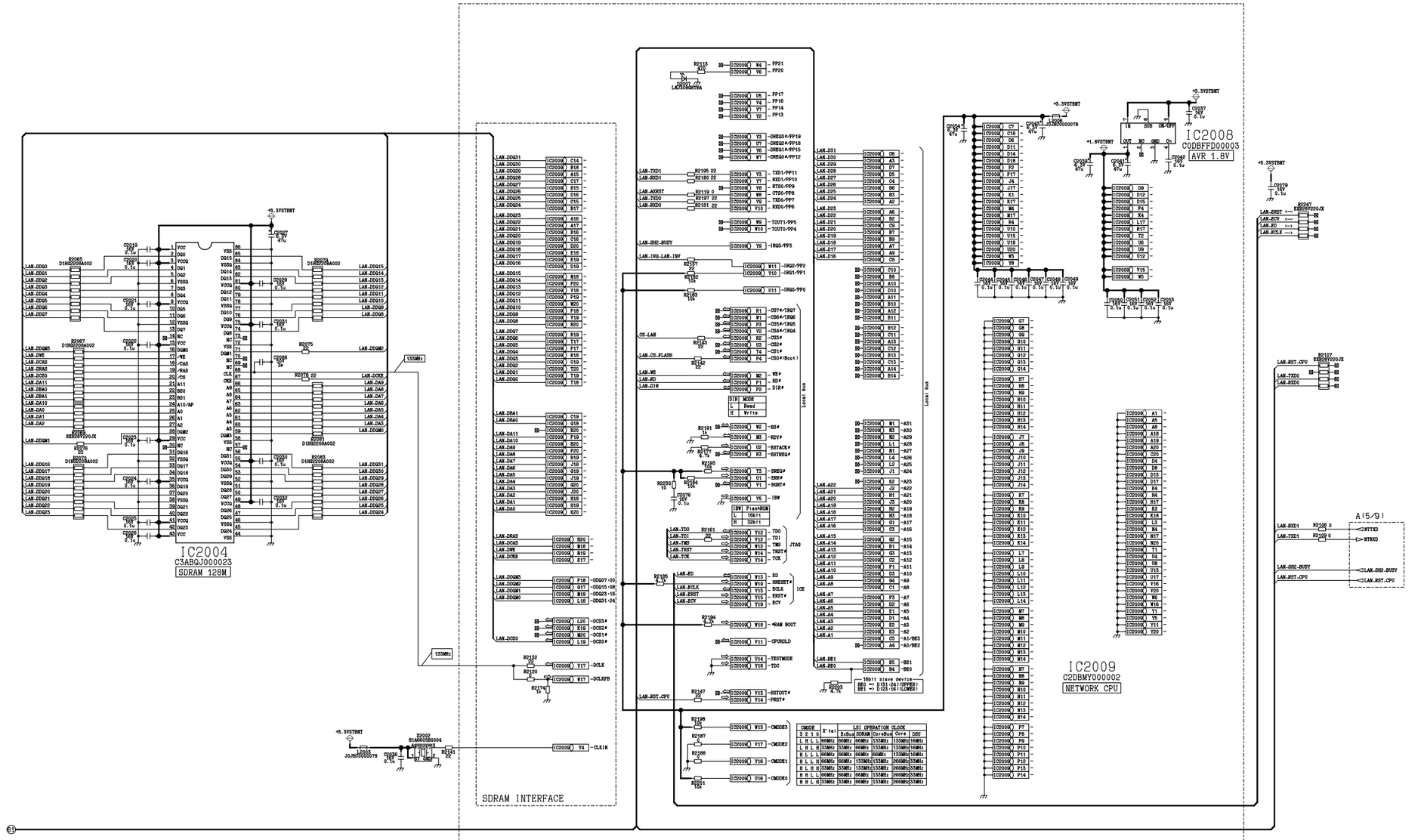
15.8. A-P.C.Board (8/9)

A-P.C.Board TXN/A2VKE9 (8/9)



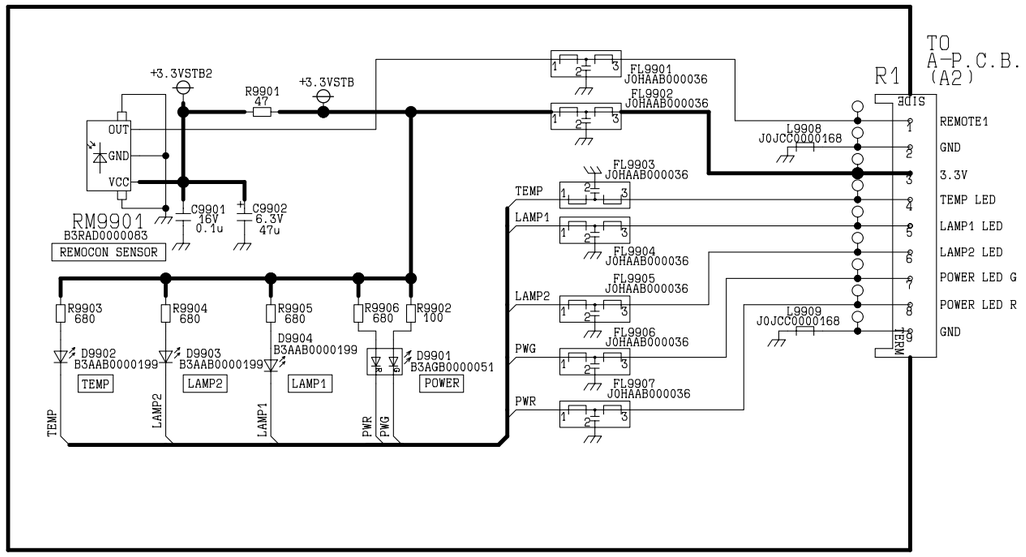
15.9. A-P.C.Board (9/9)

A-P.C.Board TXN/A2VKE9 (9/9)

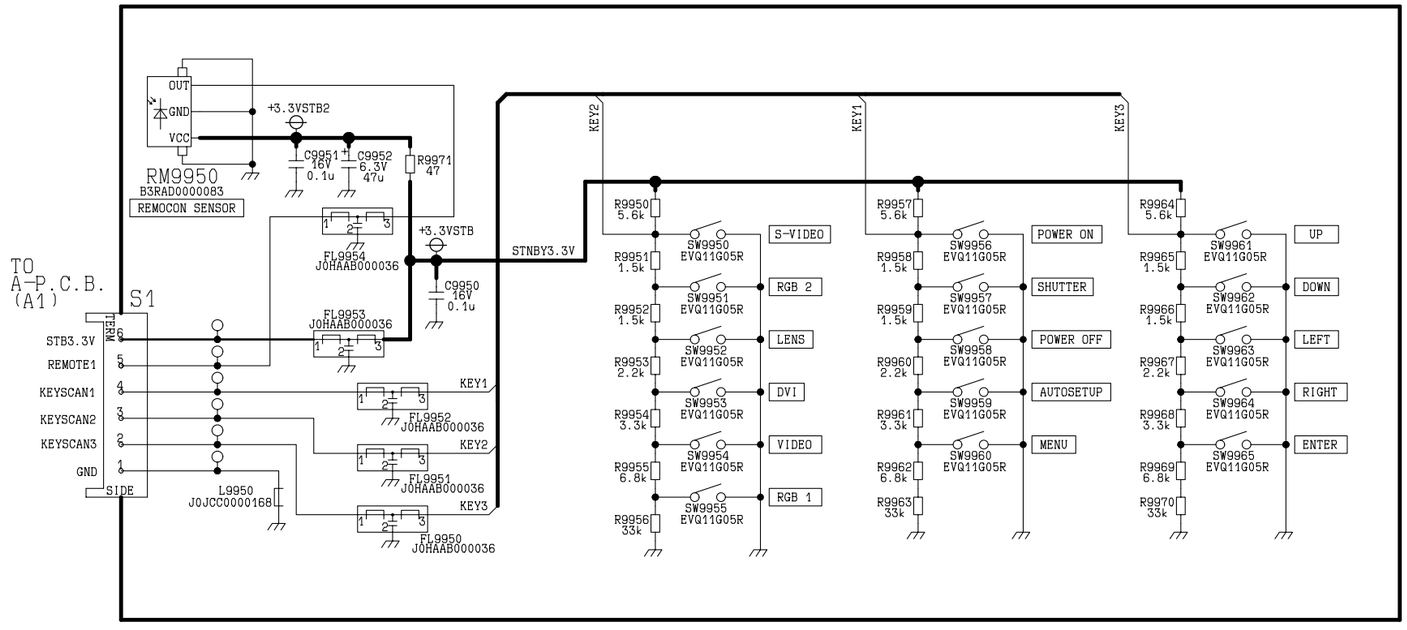


15.10. R/S-P.C.Board

R-P.C.Board TXN/R1VKE9

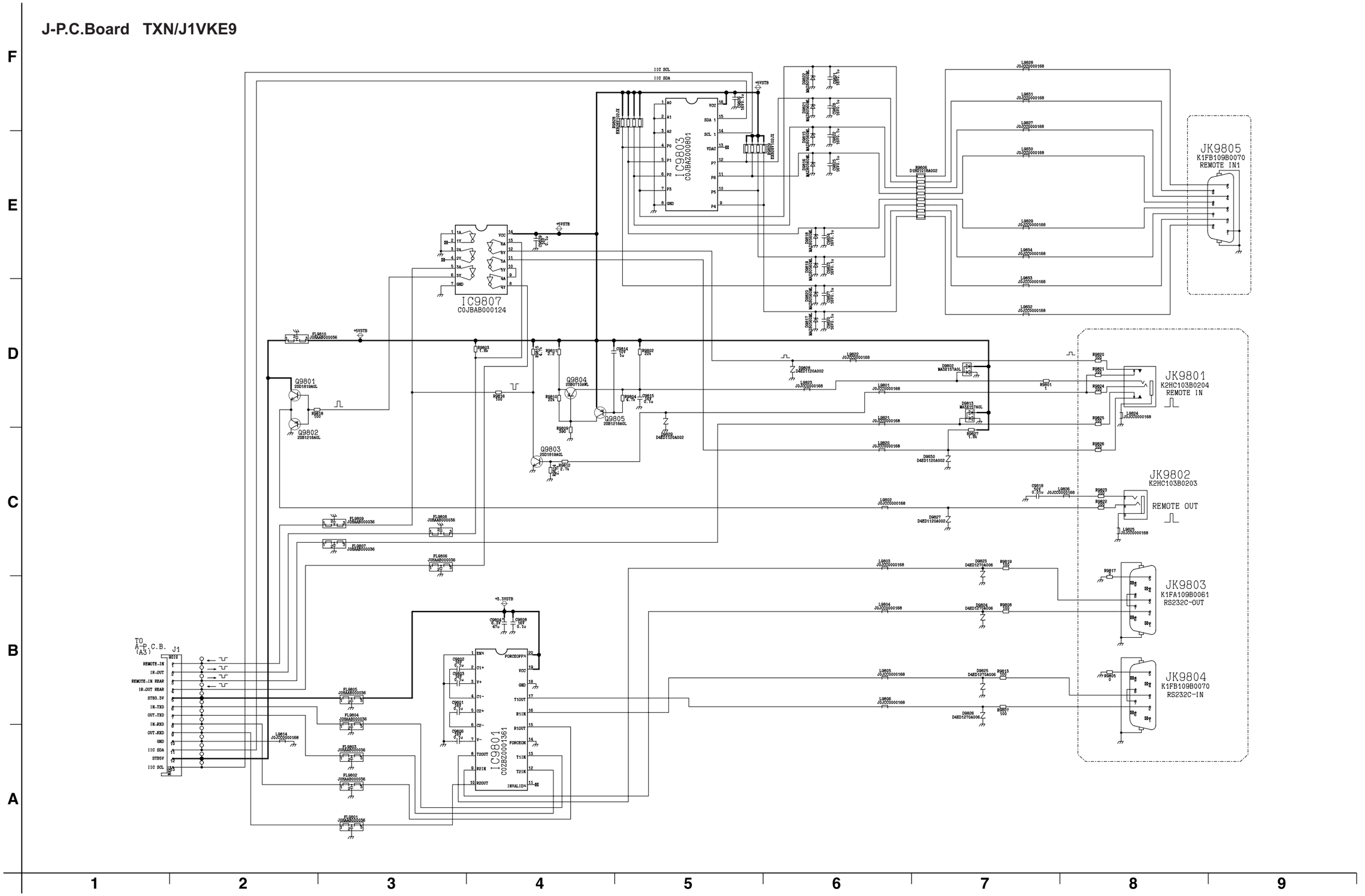


S-P.C.Board TXN/S2VKE9



15.11. J-P.C.Board

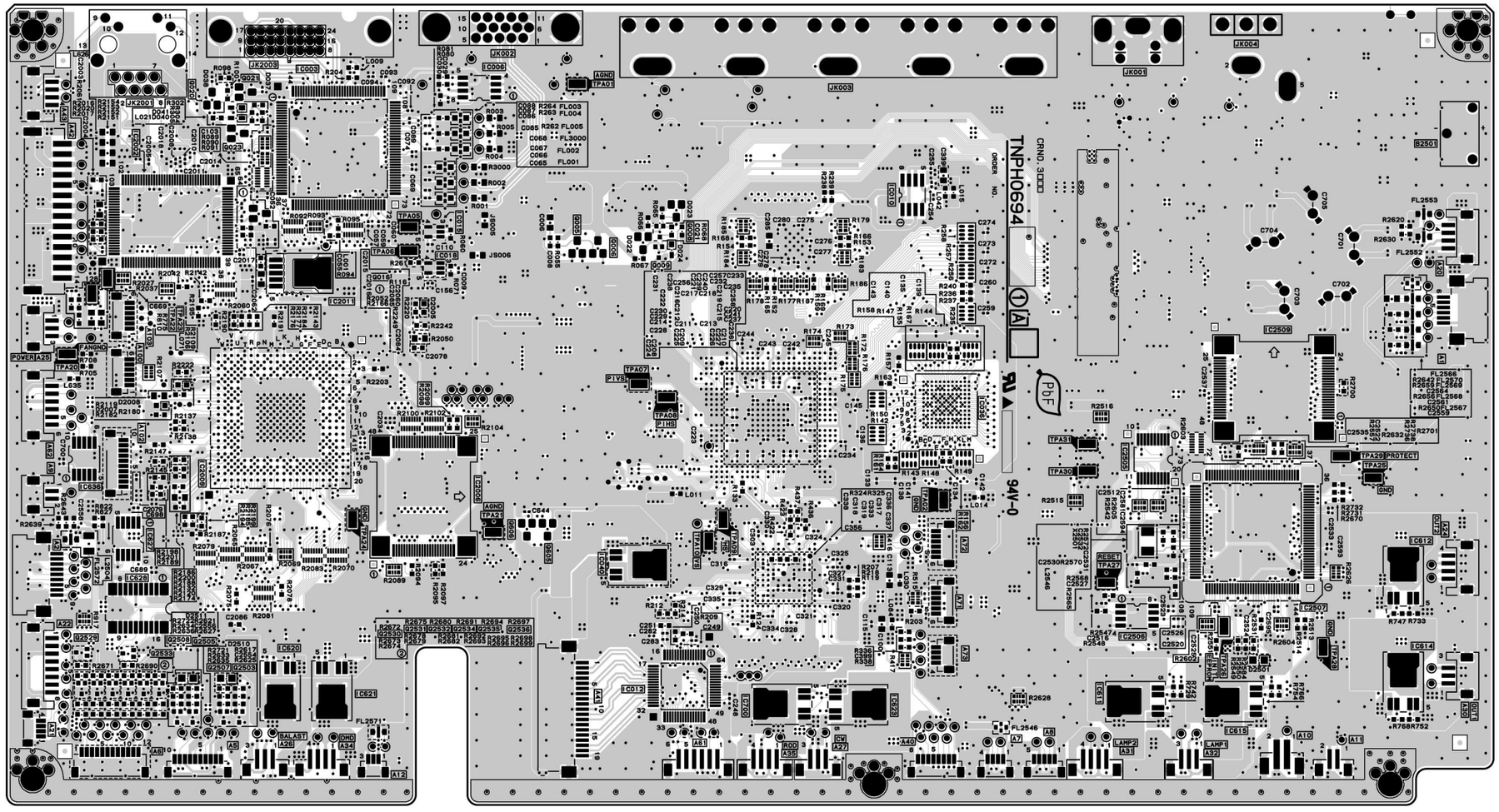
J-P.C.Board TXN/J1VKE9



16 Circuit Boards

16.1. A-P.C.Board (Foil Side)

A-P.C.Board (Foil Side) **TXN/A2VKE9**

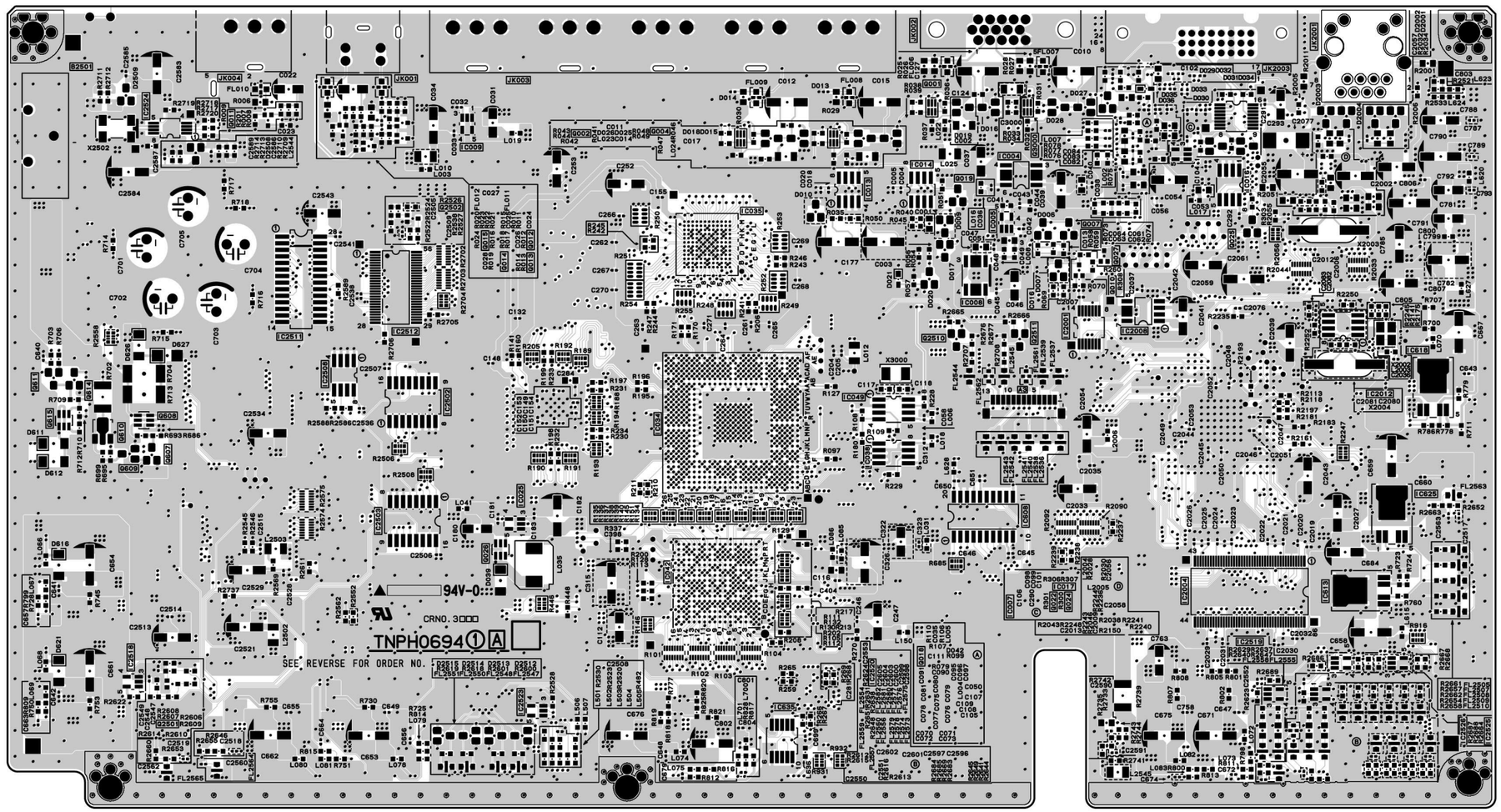


A-P.C.Board (Foil Side)					
IC					
IC2002	C-1	IC3006	D-3	IC3614	A-7
IC2006	B-3	IC3010	D-5	IC3615	A-7
IC2009	B-2	IC3012	A-4	IC3620	A-2
IC2011	C-2	IC3015	C-3	IC3621	A-2
IC2505	B-6	IC3018	C-3	IC3623	A-5
IC2506	B-6	IC3036	C-5	IC3627	B-1
IC2507	B-7	IC3040	B-4	IC3628	B-1
IC2509	C-6	IC3611	A-6	IC3636	B-1
IC3003	D-2	IC3612	B-7	IC3700	A-4
TRANSISTOR					
Q2503	A-2	Q2533	A-1	Q3016	C-2
Q2505	A-2	Q2534	A-3	Q3020	D-2
Q2507	A-2	Q2535	A-3	Q3021	D-2
Q2508	A-1	Q2536	A-3	Q3023	D-2
Q2529	A-1	Q3005	C-3	Q3605	B-3
Q2530	A-3	Q3006	C-4	Q3606	B-3
Q2531	A-3	Q3008	C-4		
Q2532	A-3	Q3009	C-4		
TP					
TPA01	D-3	TPA10	B-4	TPA26	A-7
TPA02	B-5	TPA20	C-1	TPA27	A-6
TPA05	C-3	TPA21	B-3	TPA28	A-7
TPA06	C-3	TPA22	C-1	TPA29	B-7
TPA07	C-4	TPA23	C-1	TPA30	B-6
TPA08	C-4	TPA24	B-2	TPA31	B-6
TPA09	B-4	TPA25	B-7		

ADDRESS INFORMATION

16.2. A-P.C.Board (Component Side)

A-P.C.Board TXN/A2VKE9
(Component Side)

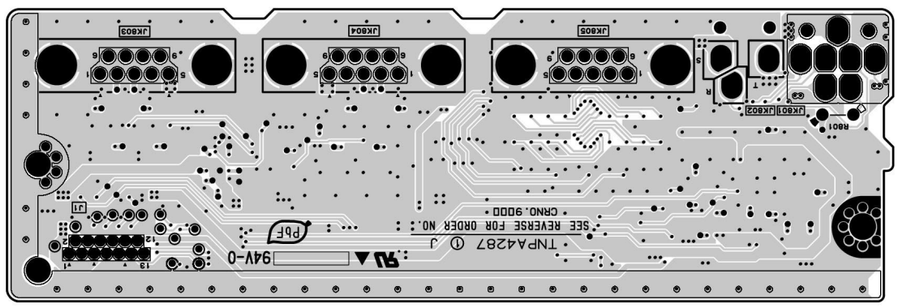


A-P.C.Board (Component Side)					
IC					
IC2001	C-6	IC2523	A-3	IC3017	B-6
IC2004	B-6	IC2524	D-1	IC3025	B-3
IC2008	C-6	IC2525	A-8	IC3034	B-4
IC2012	C-7	IC2526	A-8	IC3035	C-4
IC2502	C-3	IC3004	D-5	IC3038	B-5
IC2503	B-3	IC3005	C-5	IC3042	B-4
IC2508	C-2	IC3007	B-6	IC3049	C-5
IC2511	C-2	IC3008	C-5	IC3608	B-5
IC2512	C-3	IC3009	D-3	IC3613	B-7
IC2518	A-1	IC3013	D-5	IC3618	C-7
IC2519	A-7	IC3014	D-5	IC3625	B-7
IC2520	A-5	IC3016	D-7	IC3635	A-4
TRANSISTOR					
Q2501	A-1	Q3011	D-2	Q3026	B-3
Q2502	C-3	Q3012	C-3	Q3027	C-6
Q2510	C-5	Q3013	C-3	Q3607	B-1
Q2511	C-6	Q3014	C-3	Q3608	B-1
Q3000	D-6	Q3015	C-3	Q3609	B-1
Q3001	D-5	Q3018	A-5	Q3610	B-1
Q3002	D-3	Q3019	D-5	Q3611	C-1
Q3004	D-4	Q3022	B-6	Q3614	C-1
Q3007	C-6	Q3024	B-6	Q3615	B-1
Q3010	C-6	Q3025	C-7		

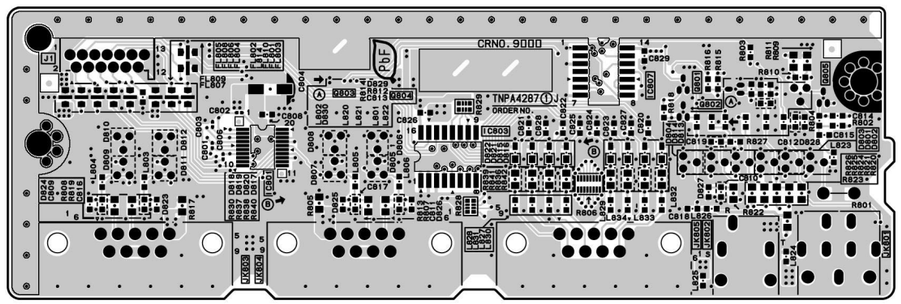
ADDRESS INFORMATION

16.3. J-P.C.Board

J-P.C.Board TXN/J1VKE9
(Foil Side)



J-P.C.Board TXN/J1VKE9
(Component Side)



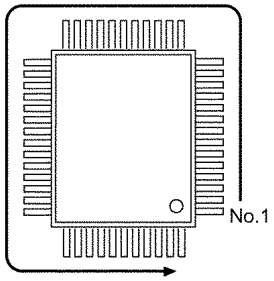
J-P.C.Board (Component Side)			
IC		TRANSISTOR	
IC9801	B-2	Q9801	B-3
IC9803	B-2	Q9802	B-3
IC9807	B-3	Q9803	B-2
		Q9804	B-2
		Q9805	B-4

ADDRESS INFORMATION

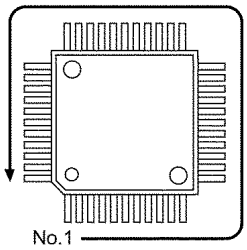
F E D C B A

1 2 3 4 5 6 7 8 9

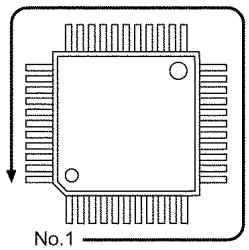
17 Terminal guide of ICs and transistors



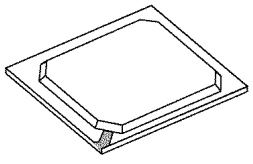
C5CB00000060 128 Pin



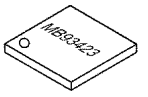
C2DBYH000024 144 Pin
C1AB00002788 144 Pin



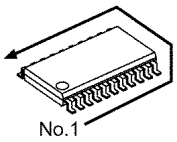
C0JBAP000020 64 Pin



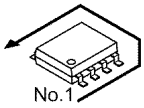
C2DBMY000002
C1AB00002628



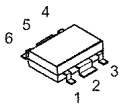
C3ABQJ000048
C1ZBZ0003207



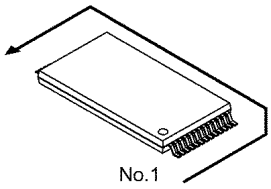
C0JBAZ001467	20 Pin
C0JBAZ001992	56 Pin
C0FBBD000183	20 Pin
C0JBAB000290	14 Pin
C3ABQJ000023	86 Pin



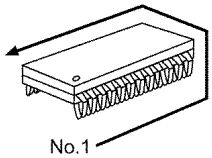
C0EBB0000145	8 Pin
C0DBEFH00001	8 Pin
C0GBG0000053	10 Pin
C1DB00001208	8 Pin
C3EBLC000034	8 Pin
C0JBAZ002560	8 Pin
C0ZBZ0001473	8 Pin
C0JBAR000419	8 Pin
C3EBDC000067	8 Pin



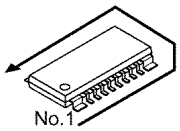
C0DBZYY00225	6 Pin
C0DBZGF00002	6 Pin



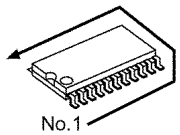
TVRP516	48 Pin
TVRP517	48 Pin



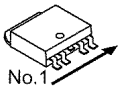
C3BBFC000321 28 Pin



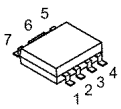
C0GBA0000035 16 Pin



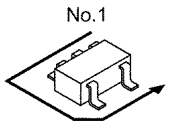
C0JBAR000415 16 Pin



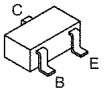
C0CBCYG00004	4 Pin
C0DBZFG00055	4 Pin
C0CBCBG00013	4 Pin



C0DBFFD00003 7 Pin



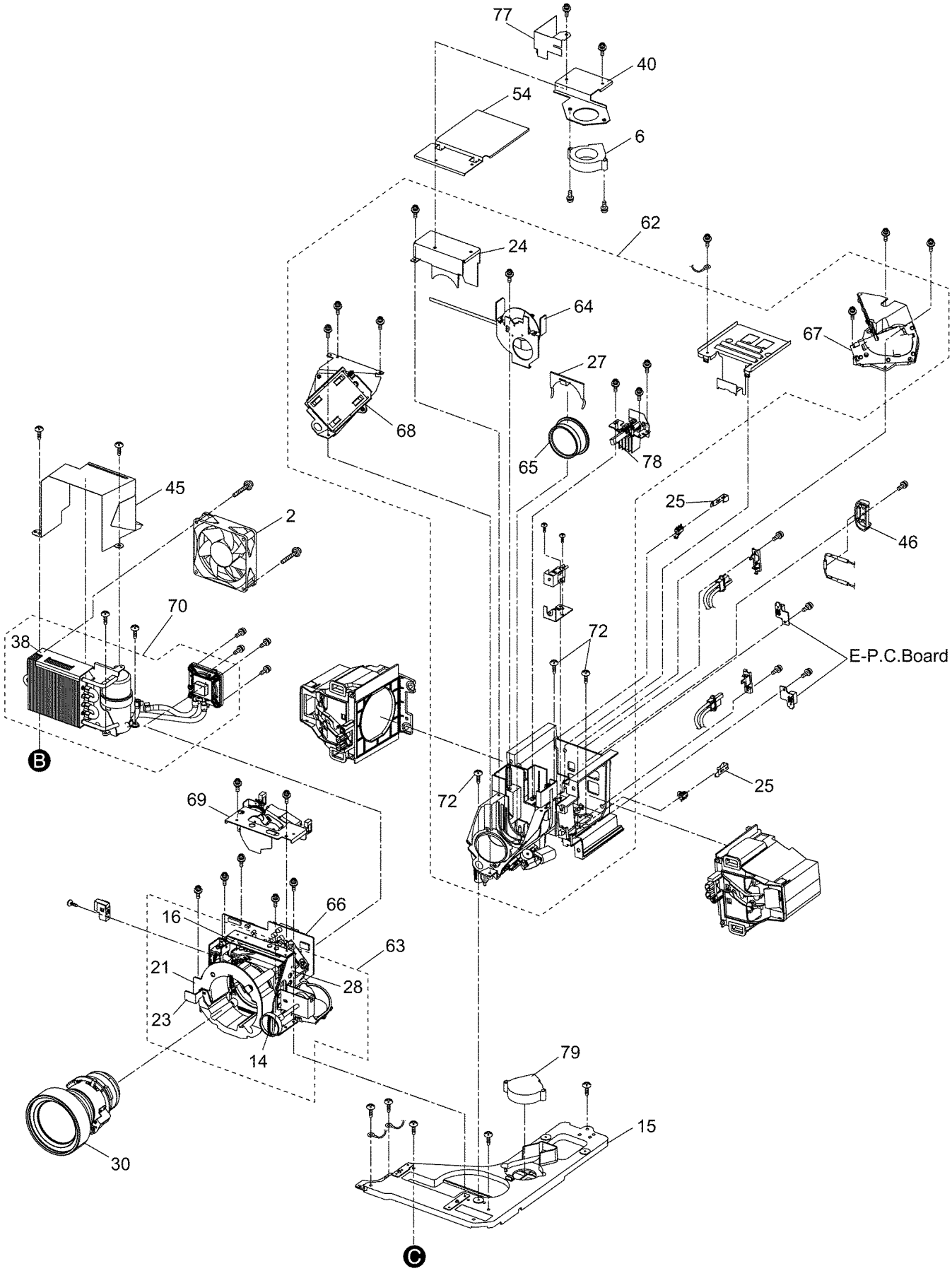
C0JBAA000377 5 Pin



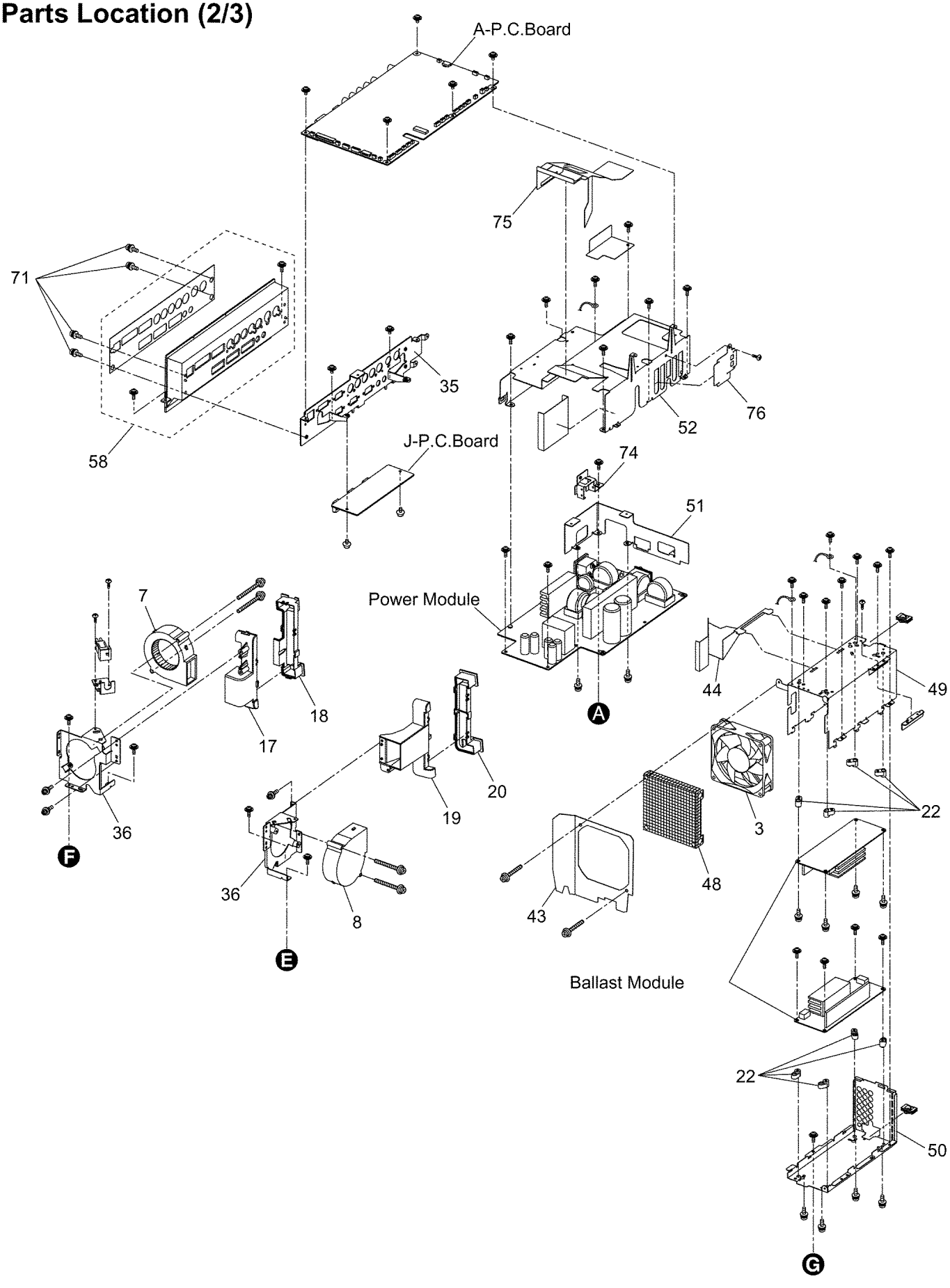
2SD1819A0L
2SB1218A0L
2SD0601A0L

18 Exploded Views

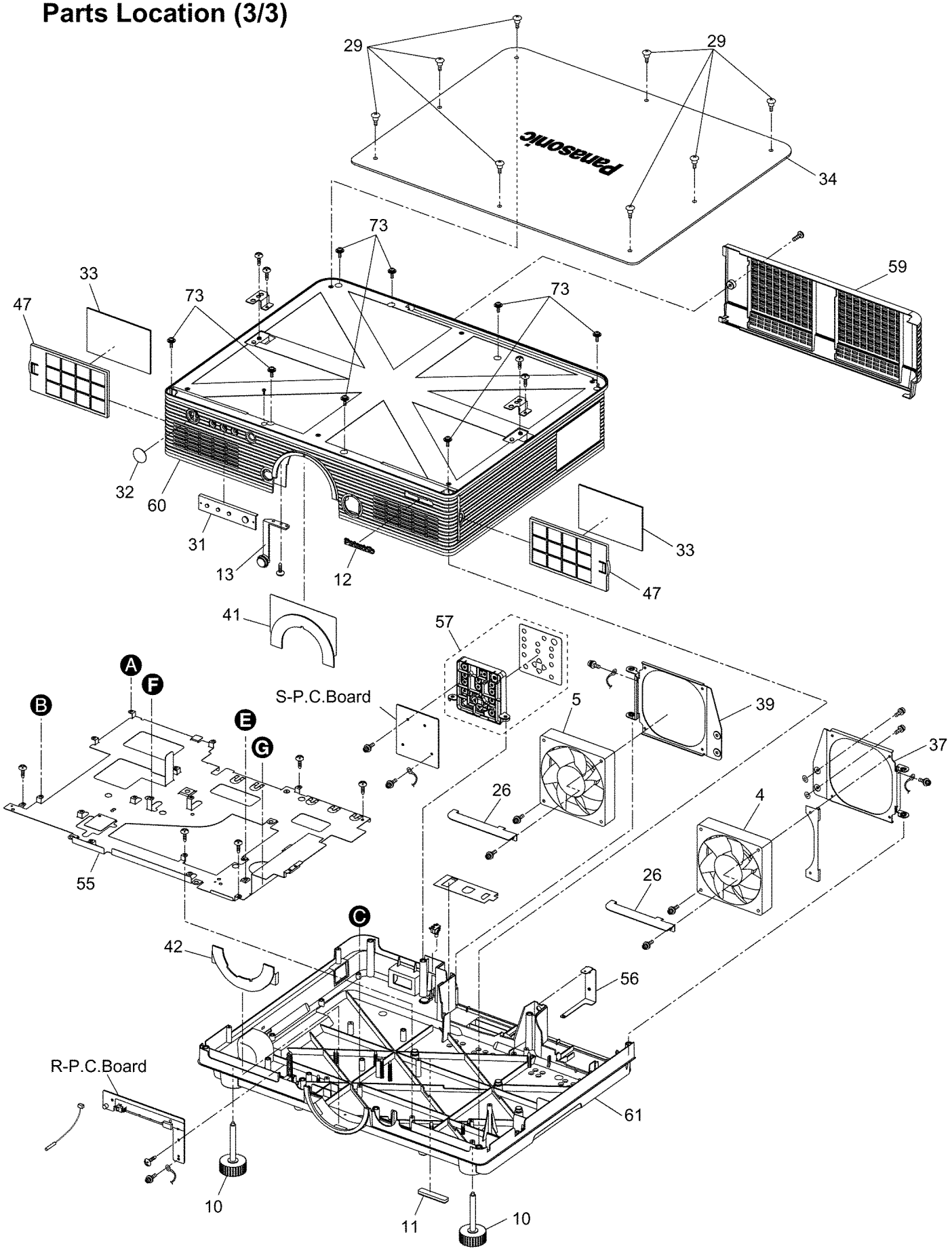
Parts Location (1/3)



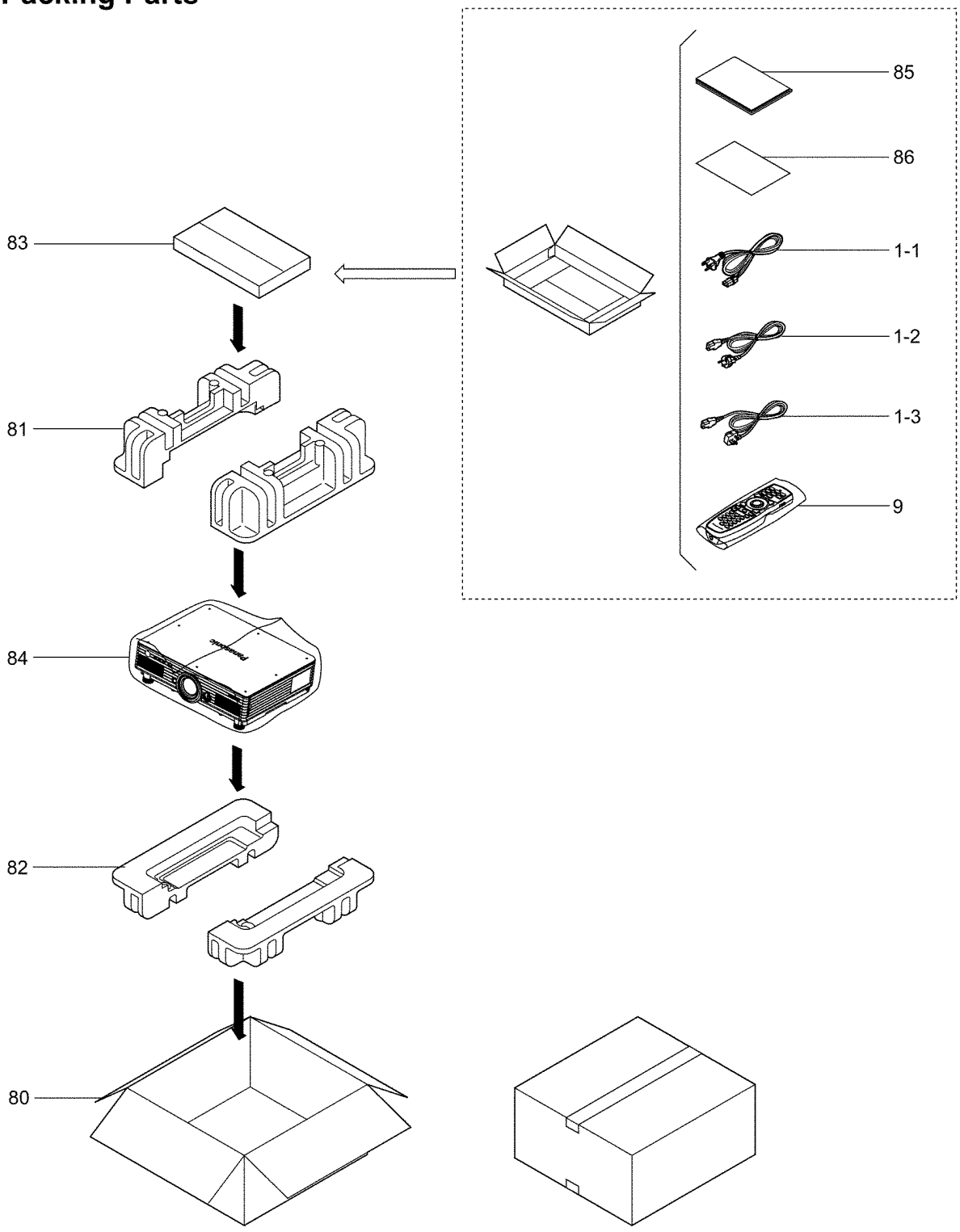
Parts Location (2/3)



Parts Location (3/3)



Packing Parts



19 Replacement Parts List

Important Safety Notice

Components identified by the International symbol ⚠ have special characteristics important for safety.
When replacing any of these components, use only the manufacturer's specified parts.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Carbon	F : ± 1 %
F : Fuse	G : ± 2 %
M : Metal Oxide	J : ± 5 %
Metal Film	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

2. Capacitor

Example:

ECKF1H103ZF C 0.01PF, Z, 50V

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Ceramic	C : ±0.25 pF
E : Electrolytic	D : ±0.5 pF
P : Polyester	F : ± 1 pF
PP : Polypropylene	J : ± 5 %
S : Polystyrol	K : ±10 %
T : Tantalum	L : ±15 %
	M : ±20 %
	P : +100 %, -0 %
	Z : +80 %, -20 %

Notes:

Printed circuit board assembly with mark (RTL) is no longer available after production discontinuation of the complete set.

Ref. No.	Part No.	Part Name & Description	Remarks
	[MECHANICAL PARTS]		
	D4CDHR250001	THERMISTOR(NTC)	
	D4CDY4930001	TEMP SENSOR	
	D4CDY4930002	TEMP SENSOR	
	D4CDY4930003	TEMP THERMISTOR	
	J0KG00000013	CLAMP CORE	⚠
	K0AACE000023	AC SWITCH	
	K0KACF000068	LIMIT SWITCH	
	K2AH3G000009	AC INLET	⚠
1-1	K2CG3FZ00008	POWER CORD	⚠ D5700U/UL, DW5100U/UL
1-2	K2CM3FZ00003	POWER CORD(EUROPE)	⚠ D5700E/EL, DW5100E/EL
1-3	K2CT3FZ00003	POWER CORD(UK)	⚠ D5700E/EL, DW5100E/EL
	K3GE1PB00003	FUSE HOLDER	D5700U/UL, DW5100U/UL
	K3GE1BB00011	FUSE HOLDER	D5700E/EL, DW5100E/EL
2	L6FAMEGH0018	POWER COOLING FAN	⚠
3	L6FAMEGH0019	FAN(BALLAST COOLING)	⚠
4	L6FAPEHH0009	VENTILATION FAN R	⚠
5	L6FAPEHH0010	VENTILATION FAN L	⚠
6	L6FCJC9H0010	FAN (CW COOLING)	⚠
79	L6FCJC9H0011	FAN (ROD COOLING)	⚠
7	L6FCLDCH0004	SIROCCO FAN	⚠
8	L6FCLDCH0005	SIROCCO FAN	⚠
9	N2QAYB000164	REMOTE CONTROLLER	
10	TBLB3202	ADJUST LEG	
11	TBLG3042-1	RUBBER LEG (REAR)	
12	TBMA159	PANASONIC BADGE	
	TBMG624	MODEL NAME PLATE	D5700U
	TBMG632	MODEL NAME PLATE	D5700UL
	TBMG625-2	MODEL NAME PLATE	D5700E
	TBMG633-2	MODEL NAME PLATE	D5700EL
	TBMG627	MODEL NAME PLATE	DW5100U
	TBMG635	MODEL NAME PLATE	DW5100UL
	TBMG628-2	MODEL NAME PLATE	DW5100E
	TBMG636-2	MODEL NAME PLATE	DW5100EL
13	TBXA44501A	LENS RELEASE BUTTON	
14	TBXA44601	HORIZONTAL ADJUST KNOB	

Ref. No.	Part No.	Part Name & Description	Remarks
15	TEDC5087-1	OPTICAL BASE	
16	TEEC0033-2	LENS MECHA UNIT	
17	TEEC5157	INHALATION DUCT 1(R)	
18	TEEC5158-1	INHALATION DUCT R2	
19	TEEC5159	INHALATION DUCT 1(L)	
20	TEEC5160	INHALATION DUCT 2(L)	
21	TEEC5168-2	LENS GUIDE	
22	TEEC5231	BALLAST SPACER	
23	TEKX030	LENS LEVER	
24	TENC5272-1	CW COVER	
25	TENC5287	SW SUPPORT METAL	
	TENC5303	MOUNT METAL	
26	TENC5366	VENTILATION FAN GUARD	
	TENC5431	LAMP SOKET ADAPTOR	
	TENC5434	PLATE 1	
	TENC5435	PLATE 2	
	TENC5436	T-BOX SUPPORT	
	TENC5439	GUIDE PLATE	
74	TENC5442	AC INLET PLATE	
27	TESA235	LENS HOLDER SPRING	
	TESA252	MOUNT SPRING	
	TESA266-1	SW SPRING	
	TEWA970	SHIELD GASKET	
	TEWB134	GASKET	
28	TGAX034-2	ELECTRIC SHIFT MOUNT	
	THEC084N	SCREW (D-SUB)	
29	THEC092N	SCREW	D5700U/UL, D5700E/EL
	THEC0939	SCREW	DW5100U/UL, DW5100E/EL
30	TKGF0109-2	LENS	D5700U/E, DW5100U/E
	TKGX5017	GLASS WASHER	
31	TKKC5156	LED PLATE	
32	TKKC5281	REMOTE RECEIVER PLATE	
	TKKL5244-1	LENS COVER	
33	TKNE062-1	FILTER	
34	TKRA40203	TOP PLATE	D5700U/UL, D5700E/EL
	TKRA40204	TOP PLATE	DW5100U/UL, DW5100E/EL
35	TKZF5036-1	TERMINAL PLATE	
36	TKZJ5055-1	INHALATION FAN METAL	

Ref. No.	Part No.	Part Name & Description	Remarks
37	TKZJ5056-2	VENTILATION FAN METAL	
38	TKZJ5057-1	POWER FAN INSTALL METAL	
39	TKZJ5058-1	VENTILATION FAN METAL	
40	TKZJ5065	CW FAN INSTALL METAL	
	TKZJ5072	PC FAN SUPPORT	
	TKZJ5073	LAMP FAN SUPPORT	
	TMKG482	SPONGE (DUCT)	
	TMKG522	SPONGE 3	
	TMKG724	LENS SPACER	D5700U/E, DW5100U/E
	TMKG726	SPONGE 1	
	TMKG727	SPONGE 2	
	TMKG728	SPONGE 3	
	TMKG729	SPONGE 4	
	TMKG819	LAMP FAN SPONGE	
	TMKK217-1	RUBBER WASHER	
	TMKK217-1	RUBBER WASHER	
	TMKK217-1	RUBBER WASHER	
	TMKK219	RUBBER WASHER	
	TMKX100	WASHER	
	TMKY006	FAN SHEET	
41	TMKY069	LENS SHEET (UPPER)	
42	TMKY070	LENS SHEET (BOTTOM)	
	TMKY071	LENS SHEET	D5700UL/EL, DW5100UL/EL
43	TMKY072	INSULATION SHEET (FRONT)	
	TMKY074-1	VENTILATION GAN GUIDE	
	TMKY076-2	SHEET	
44	TMKY138	CW SHEET 1	
	TMKY299	LAMP FAN SHIELD SHEET	
45	TMKY307	PC WIND GUIDE 1	
75	TMKY308	PC WIND GUIDE 2	
76	TMKY309	PC WIND GUIDE 3	
	TMKY310	PC INSULATION SHEET 1	
	TMKY311	PC INSULATION SHEET 2	
	TMKY313	FAN LEAD	
	TMKY331	GUIDE	
	TMKY332-1	SHEET (PCB-A)	
	TMKY333	T-BOX SHIELD	
	TMKY334	BALLAST INSULATION	
	TMKY336	BALLAST GUIDE	
77	TMKY343	CW GUIDE 3	
	TMKY347	TAPE	
	TMM7468-1	CLAMPER	
	TMME047	FLAME LEAD CLAMPER 1	
	TMME159	SPACER	
	TMME245	CLAMPER	
	TMME274	REUSE LOCKING CLAMP	
	TMME284	LOCKING CLAMP	
	TMME309	MINI CLAMP	
46	TMXC017-1	TEMP FUSE INSTALL METAL	
47	TMZX5046-3	FILTER INSTALL METAL	
80	TPCC26402	CARTON	D5700U
	TXFPC99QJDZ	CARTON	D5700UL
	TPCC26403	CARTON	D5700E
	TXFPC99QJJZ	CARTON	D5700EL
	TPCC26405	CARTON	DW5100U
	TXFPC99QJFZ	CARTON	DW5100UL
	TPCC26406	CARTON	DW5100E
	TXFPC99QJLZ	CARTON	DW5100EL
81	TPDA1025	CUSHION 1	
82	TPDA1026	CUSHION 2	
83	TPDF1311	ACCESSARY PACKING CASE	
84	TPEH337	SET COVER	
	TQB817002-1	SAFETY SHEET	D5700U/UL, DW5100U/UL
86	TQBH7017	SHEET (PASSWORD)	
85	TQBJ0219	INSTRUCTION BOOK	⚠ D5700U/UL, DW5100U/UL
	TQBJ0220	INSTRUCTION BOOK	⚠ D5700E/EL, DW5100E/EL
	TQD1712010	SHEET	

Ref. No.	Part No.	Part Name & Description	Remarks
	TQDJ18027-2	GUARANTEE CARD	
	TQDH19009	SHEET	
	TQDH19011	SHEET(LENS MOUNT)	D5700U/E, DW5100U/E
	TQDH19023	SHEET(WIRE)	
	TQDJ18027-2	GUARANTEE CARD	D5700U/UL, DW5100U/UL
	TQDJ19066	PREMIUM SERVICES SHEET	D5700U/UL, DW5100U/UL
	TQFD808	LABEL(U/V CAUTION)	
	TSXL504	FLEX CABLE(A2-R1)	⚠
	TSXL505	FLEX CABLE(A1-S1)	⚠
	TSXL532	FLEX CABLE(A3-J1)	⚠
	TSXL639	FLEX CABLE(A41-FM1)	⚠
	TTRA0146	WIRE LOCK ASSY	⚠
	TUCB5037	ALUMINUM SHEET 1	
	TUCB5038	ALUMINUM SHEET 2	
	TUCB5043	ALUMINUM SHEET 3	
	TUCB5058	ALUMINUM SHEET(UPPER)	
	TUCB5067-1	ALUMINUM SHEET 1	
	TUCB5068	ALUMINUM SHEET 2	
	TUCB5069	ALUMINUM SHEET 3	
	TUCB5071	ALUMI SHEET 1 (LAMP COVER)	
	TUCB5072	ALUMI SHEET 2 (LAMP COVER)	
	TUCB5073	CW ALUMINUM SHEET	
	TUCB5109	ALUMINUM SHEET 5	
	TUCB5110	CW ALUMINUM SHEET	
48	TUCC5802-2	VENTILATION SHIELD METAL	
49	TUCC5993-4	BALLAST SHIELD CASE 1	
50	TUCC5994-4	BALLAST SHIELD CASE 2	
51	TUCC5995-3	POWER SHIELD CASE 1	
52	TUCC5996-1	POWER SHIELD PLATE 2	
54	TUCJ5603-1	CW COOLING METAL	
56	TUCX5220	FAN EARTH METAL	
55	TUCX5239	BASE PLATE	
	TUXK039	FAN SPACER 1	
	TUXK040	FAN SPACER 2	
	TUXK040	FAN SPACER 2	
57	TXFBX01VJW2	CONTROL BUTTON	
	TXFEC01VKE9	INHALATION DUCT R	
61	TXFKF98QJCZ	BOTTOM COVER	D5700U
	TXFKF98QJDZ	BOTTOM COVER	D5700UL
	TXFKF98QJHZ	BOTTOM COVER	D5700E
	TXFKF98QJJZ	BOTTOM COVER	D5700EL
	TXFKF98QJEZ	BOTTOM COVER	DW5100U
	TXFKF98QJFZ	BOTTOM COVER	DW5100UL
	TXFKF98QJKZ	BOTTOM COVER	DW5100E
	TXFKF98QJLZ	BOTTOM COVER	DW5100EL
60	TXFKF99QJCZ	UPPER COVER	
59	TXFKP	LAMP COVER ASSY	
58	TXFPA01VJW2	TERMINAL COVER ASSY	
	TXFSE01VKE9	LEAD WIRE WITH MOTOR	
	TXFSE02VKE9	INTERLOCK SW ASSY	
	TXFSE03VKE9	LEAD WIRE WITH MOTOR	
	TXJ/A5VKE9	LEAD WIRE (A5-BALLAST)	
	TXJ/A7VKE9	LEAD WIRE (A7-L11)	
	TXJ/A8VKE9	LEAD WIRE (A8-L21)	
	TXJ/E1VKE9	INLET EARTH LEAD	⚠
	TXJ/E2VKE9	EARTH LEAD	⚠
	TXJ/E3VKE9	LEAD WIRE	⚠
	TXJ/E3VKE9	LEAD WIRE	⚠
	TXJ/E3VKE9	LEAD WIRE	⚠
	TXJ/E4VKE9	LEAD WIRE	⚠
	TXJ/E5VKE9	LEAD WIRE	⚠
	TXJ/E6VKE9	LEAD WIRE(SAFETY)	⚠
	TXJ/E7VKE9	LEAD WIRE	⚠
	TXJ/E8VKE9	LEAD WIRE	⚠
	TXJ/L3VJW2	LEAD WIRE	⚠
	TXJ/P1VKE9	LEAD WIRE(P1-TEMP FUSE)	⚠
	TXJ/P2VKE9	LEAD WIRE (P2/P3-CN1)	⚠

Ref. No.	Part No.	Part Name & Description	Remarks
	TXJ/P7VKE9	LEAD WIRE (P7-FM2)	⚠
	TXJA12VKC6	SENSOR CABLE	
	TXJA40VKE9	LEAD WIRE(A40-FM3)	⚠
	TXJA42VKE9	LEAD WIRE (A42-P5)	⚠
	TXJA43VKE9	LEAD WIRE (A43-P6)	⚠
	TXJA5VJW2B	LEAD WIRE	⚠
	TXJA61VKE9	LEAD WIRE WITH MOTOR (A61)	⚠
	TXJA62VKE9	LEAD WIRE WITH MOTOR	⚠
	TXJFM5VKE9	LEAD WIRE (FM5-CW1)	⚠
62	TXZEC01VKE9	ANALYSIS BLOCK	D5700U/UL, D5700E/EL
	TXZEC01VKF2	ANALYSIS BLOCK	DW5100U/UL, DW5100E/EL
63	TXZEC02VKE9	LENS MOUNT ASSY	
78	TXZKG02VKE9	ROD ASSY	D5700U/UL, D5700E/EL
	TXZKG02VKF2	ROD ASSY	DW5100U/UL, DW5100E/EL
65	TXZKG03VJW2	RELAY LENS HOLDER	
64	TXZKG03VKE9	COLOR WHEEL ASSY	
	TXZKG04VKE9	LENS HOLDER ASSY	
66	TXZKG05VKE9	DMD BLOCK	D5700U/UL, D5700E/EL
	TXZKG03VKF2	DMD BLOCK	DW5100U/UL, DW5100E/EL
67	TXZKJ01VJW2	OPTICAL MIRROR ASSY	
68	TXZKJ02VJW2	REFLECT MIRROR ASSY	
69	TXZTE01VKE9	MECA SHUTTER ASSY	
70	UDLS015AVB	COOLING UNIT ASSY	
	XQN2+C2FJK	SCREW	
	XQN2+C3FJK	SCREW	
	XSB2+8FJ	SCREW	
71	XSB3+8FN	SCREW	
	XSB4+10FC	SCREW	
	XSN3+12FJ	SCREW	
	XSN3+8FJ	SCREW	
	XSN6+6FJ	SCREW	
	XTB4+10JFJ	SCREW	
	XTBT969FJK	SCREW	
	XTN2+4GFJ	SCREW	
	XTN3+4FFJ	SCREW	
	XTN3+6FFJ	SCREW	
	XTW3+6PFJ	SCREW	
	XTW3+8PFJ	SCREW	
	XUC3FJ	WASHER	
	XWE2FJ	WASHER	
	XWGV3D54G	WASHER	
	XYC3+JJ12FJ	SCREW	
	XYN2+F5FJ	SCREW	
	XYN2+J18FJ	SCREW	
	XYN2+J6FN	SCREW	
	XYN3+C10FJ	SCREW	
	XYN3+F10FJ	SCREW	
	XYN3+F10FN	SCREW	
	XYN3+F20FJ	SCREW	
	XYN3+F20FJK	SCREW	
	XYN3+F30FJ	SCREW	
	XYN3+F35FJ	SCREW	
	XYN3+F6FJ	SCREW	
	XYN3+F6FJK	SCREW	
	XYN3+F6FN	SCREW	
72	XYN3+F8FJ	SCREW	
	XYN3+J10FJ	SCREW	
	XYN3+J8FJ	SCREW	
	XYN4+E8FJ	SCREW	
73	XYN4+J10FJ	SCREW	
	XZB15X32C05	POLY BAG	
	XZBT6506	POLY BAG	
[INTGRATED CIRCUIT]			
IC2001	C0JBAB000290	I.C	
IC2002	C5CB00000060	I.C	

Ref. No.	Part No.	Part Name & Description	Remarks
IC2004	C3ABQJ000026	I.C	
IC2006	TVRP517	I.C	
IC2008	C0DBFFD00003	I.C	
IC2009	C2DBMY000002	I.C	
IC2011	C0CBCBG00013	I.C	
IC2502	C0JBAR000415	I.C	
IC2503	C0JBAR000415	I.C	
IC2505	C0JBAZ001467	I.C	
IC2506	C0EBB0000145	I.C	
IC2507	C2DBYH000024	I.C	
IC2508	C3EBLC000034	I.C	
IC2509	TVRP516	I.C	
IC2511	C3BBFC000321	I.C	
IC2512	C0JBAZ001992	I.C	
IC2518	C0JBAA000377	I.C	
IC2519	C0JBAA000377	I.C	
IC2520	C0JBAA000377	I.C	
IC2523	C0JBAA000377	I.C	
IC2524	C1DB00001208	I.C	
IC3003	C1AB00002788	I.C	
IC3004	C0DBZGF00002	I.C	
IC3005	C0CBCBD00008	I.C	
IC3006	C3EBEC000054	I.C	
IC3007	C0CBCAD00015	I.C	
IC3008	C0DBZYY00225	I.C	
IC3009	C0CBCDD00004	I.C	
IC3010	C0DBEFH00001	I.C	
IC3012	C0JBAP000020	I.C	
IC3013	C0JBAR000419	I.C	
IC3014	C0JBAR000419	I.C	
IC3015	C0JBAA000359	I.C	
IC3016	C3EBDC000067	I.C	
IC3017	C0JBAS000206	I.C	
IC3025	C0DBAFA00030	I.C	
IC3034	C1AB00002628	I.C	
IC3035	C3ABQJ000048	I.C	
IC3036	C3ABQJ000048	I.C	
IC3038	C0JBAZ002560	I.C	
IC3042	C1ZBZ0003207	I.C	
IC3049	C0ZBZ0001473	I.C	
IC3608	C0FBBD000183	I.C	
IC3611	C0CBCYG00004	I.C	
IC3612	C0CBCYG00004	I.C	
IC3613	C0CBCYG00004	I.C	
IC3614	C0CBCYG00004	I.C	
IC3615	C0CBCYG00004	I.C	
IC3618	C0CBCYG00004	I.C	
IC3620	C0CBCYG00004	I.C	
IC3621	C0CBCYG00004	I.C	
IC3623	C0CBCYG00004	I.C	
IC3625	C0CBCYG00004	I.C	
IC3627	C0GBG0000053	I.C	
IC3628	C0GBA0000035	I.C	
IC3635	C0GBG0000053	I.C	
IC3636	C0GBG0000053	I.C	
IC3700	C0CBCYG00004	I.C	
IC9602	C0BBBA000076	I.C	
IC9801	C0ZBZ0001361	I.C	
IC9803	C0JBAZ000801	I.C	
IC9807	C0JBAB000124	I.C	
[TRANSISTORS]			
Q2501	2SD1819A	TRANSISTOR	
Q2502	2SD1819A	TRANSISTOR	
Q2503	2SD1819A	TRANSISTOR	
Q2505	2SD1819A	TRANSISTOR	
Q2507	2SD1819A	TRANSISTOR	
Q2508	2SD1819A	TRANSISTOR	
Q2510	B1CBHD000001	TRANSISTOR	
Q2511	B1CBHD000001	TRANSISTOR	
Q3000	XP0460100L	TRANSISTOR	
Q3001	XP0460100L	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q3002	XP0460100L	TRANSISTOR	
Q3004	XP0460100L	TRANSISTOR	
Q3005	B1ABBB000089	TRANSISTOR	
Q3006	B1ABBB000089	TRANSISTOR	
Q3007	B1ABBB000089	TRANSISTOR	
Q3008	2SD1819A	TRANSISTOR	
Q3009	2SB1218A	TRANSISTOR	
Q3010	2SD1819A	TRANSISTOR	
Q3011	2SB1218A	TRANSISTOR	
Q3012	2SD1819A	TRANSISTOR	
Q3013	2SB1218A	TRANSISTOR	
Q3014	2SD1819A	TRANSISTOR	
Q3015	2SB1218A	TRANSISTOR	
Q3016	UNR221100L	TRANSISTOR	
Q3018	UNR221100L	TRANSISTOR	
Q3019	UNR221100L	TRANSISTOR	
Q3020	B1CBHD000001	TRANSISTOR	
Q3021	B1CBHD000001	TRANSISTOR	
Q3022	B1CBHD000001	TRANSISTOR	
Q3023	UNR221100L	TRANSISTOR	
Q3024	B1CBHD000001	TRANSISTOR	
Q3025	UNR221100L	TRANSISTOR	
Q3026	B1DHDD000027	TRANSISTOR	
Q3027	B1ADCF000063	TRANSISTOR	
Q3605	B1CBHD000001	TRANSISTOR	
Q3606	B1CBHD000001	TRANSISTOR	
Q3607	UNR221100L	TRANSISTOR	
Q3608	B1DHDD000027	TRANSISTOR	
Q3609	UNR221100L	TRANSISTOR	
Q3610	2SK060100L	TRANSISTOR	
Q3611	2SD601A-R	TRANSISTOR	
Q3614	2SD601A-R	TRANSISTOR	
Q3615	B1DHDD000027	TRANSISTOR	
Q9801	2SD1819A	TRANSISTOR	
Q9802	2SB1218A	TRANSISTOR	
Q9803	2SD1819A	TRANSISTOR	
Q9804	2SB0710AWL	TRANSISTOR	
Q9805	2SB1218A	TRANSISTOR	
[DIODES]			
D2001	MA157A	DIODE	
D2002	MA157A	DIODE	
D2003	MA157A	DIODE	
D2004	MA157A	DIODE	
D2007	LNJ308G8TRA	LED	
D2508	MA152WK	DIODE	
D2509	MA152WK	DIODE	
D2512	MA157A	DIODE	
D2513	MA157A	DIODE	
D2514	MA157A	DIODE	
D2515	MA157A	DIODE	
D3006	MA704A	DIODE	
D3013	EZJZ0V80008B	VARISTOR	
D3014	EZJZ0V80008B	VARISTOR	
D3015	MA157A	DIODE	
D3016	MA157A	DIODE	
D3017	MA704A	DIODE	
D3018	MA157A	DIODE	
D3019	MA157A	DIODE	
D3020	MA704A	DIODE	
D3021	MA8056M	DIODE	
D3022	MA704ATX	DIODE	
D3023	MA704ATX	DIODE	
D3024	MA8056M	DIODE	
D3025	MA157A	DIODE	
D3026	MA157A	DIODE	
D3027	MA157A	DIODE	
D3028	MA157A	DIODE	
D3029	EZJZ0V80008B	VARISTOR	
D3030	EZJZ0V80008B	VARISTOR	
D3031	EZJZ0V80008B	VARISTOR	
D3032	EZJZ0V80008B	VARISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
D3033	EZJZ0V80008B	VARISTOR	
D3034	EZJZ0V80008B	VARISTOR	
D3035	EZJZ0V80008B	VARISTOR	
D3036	EZJZ0V80008B	VARISTOR	
D3037	EZJZ0V171AA	DIODE	
D3038	EZJZ0V171AA	DIODE	
D3039	B0JCPD000026	DIODE	
D3040	B0JCGD000002	DIODE	
D3041	MA8056M	DIODE	
D3042	B0JCAE000001	DIODE	
D3611	B0JCPD000026	DIODE	
D3612	B0JCPD000026	DIODE	
D3616	B0JCPD000026	DIODE	
D3621	B0JCPD000026	DIODE	
D3626	B0HCMM000013	DIODE	
D3627	MAZY12000L	DIODE	
D9802	MA157A	DIODE	
D9813	MA157A	DIODE	
D9815	MA8056M	DIODE	
D9816	MA8056M	DIODE	
D9817	MA8056M	DIODE	
D9818	MA8056M	DIODE	
D9819	MA8056M	DIODE	
D9820	MA8056M	DIODE	
D9821	MA8056M	DIODE	
D9822	MA8056M	DIODE	
D9823	D4ED1270A006	VARISTOR	
D9824	D4ED1270A006	VARISTOR	
D9825	D4ED1270A006	VARISTOR	
D9826	D4ED1270A006	VARISTOR	
D9827	D4ED1120A002	VARISTOR	
D9828	D4ED1120A002	VARISTOR	
D9829	D4ED1120A002	VARISTOR	
D9830	D4ED1120A002	VARISTOR	
D9901	B3AGB0000051	DIODE	
D9902	B3AAB0000199	DIODE	
D9903	B3AAB0000199	DIODE	
D9904	B3AAB0000199	DIODE	
[COILS]			
L2003	J0JHC0000078	FILTER	
L2004	J0JHC0000078	FILTER	
L2005	J0JHC0000078	FILTER	
L2006	J0JHC0000078	FILTER	
L2502	ELJFA6R8JFB	COIL	
L2503	ELJFA470JFB	COIL	
L2504	ELJFA6R8JFB	COIL	
L2544	J0JHC0000078	FILTER	
L2546	J0JHC0000078	FILTER	
L3001	J0JCC0000238	FILTER	
L3002	J0JCC0000168	FILTER	
L3003	J0JCC0000168	FILTER	
L3004	J0JCC0000168	FILTER	
L3005	J0JJC0000168	FILTER	
L3006	J0JHC0000078	FILTER	
L3007	J0JCC0000168	FILTER	
L3008	J0JJC0000168	FILTER	
L3009	J0JCC0000168	FILTER	
L3011	J0JHC0000078	FILTER	
L3012	ELJFA470JFB	FILTER	
L3014	J0JHC0000078	FILTER	
L3015	J0JHC0000078	FILTER	
L3016	J0JHC0000078	FILTER	
L3017	J0JCC0000168	FILTER	
L3018	J0JHC0000078	FILTER	
L3019	J0JHC0000078	FILTER	
L3021	J0JHC0000078	FILTER	
L3023	J0JHC0000078	FILTER	
L3024	J0JHC0000078	FILTER	
L3025	G1C100K00031	FILTER	
L3030	J0JHC0000078	FILTER	
L3035	G1C180MA0100	FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks
L3041	J0JHC0000078	FILTER	
L3042	J0JHC0000078	FILTER	
L3066	J0JHC0000078	FILTER	
L3067	J0JCC0000168	FILTER	
L3068	J0JHC0000078	FILTER	
L3069	J0JCC0000168	FILTER	
L3070	J0JHC0000078	FILTER	
L3071	J0JCC0000168	FILTER	
L3072	J0JHC0000078	FILTER	
L3073	J0JCC0000168	FILTER	
L3074	J0JHC0000078	FILTER	
L3075	J0JCC0000168	FILTER	
L3078	J0JHC0000078	FILTER	
L3079	J0JCC0000168	FILTER	
L3080	J0JHC0000078	FILTER	
L3081	J0JCC0000168	FILTER	
L3082	J0JHC0000078	FILTER	
L3083	J0JCC0000168	FILTER	
L3084	J0JHC0000078	FILTER	
L3086	J0JHC0000078	FILTER	
L3150	J0JHC0000078	FILTER	
L3501	J0JCC0000168	FILTER	
L3502	J0JCC0000168	FILTER	
L3503	J0JCC0000168	FILTER	
L3504	J0JCC0000168	FILTER	
L3505	J0JCC0000168	FILTER	
L3506	J0JCC0000168	FILTER	
L3507	J0JCC0000168	FILTER	
L3615	J0JHC0000078	FILTER	
L3620	J0JHC0000078	FILTER	
L3623	J0JCC0000168	FILTER	
L3624	J0JCC0000168	FILTER	
L3626	J0JHC0000078	FILTER	
L3627	J0JHC0000078	FILTER	
L3628	J0JHC0000078	FILTER	
L3635	J0JHC0000078	FILTER	
L3636	J0JHC0000078	FILTER	
L3700	J0JHC0000078	FILTER	
L3701	J0JCC0000168	FILTER	
L9801	J0JCC0000168	FILTER	
L9802	J0JCC0000168	FILTER	
L9803	J0JCC0000168	FILTER	
L9804	J0JCC0000168	FILTER	
L9805	J0JCC0000168	FILTER	
L9806	J0JCC0000168	FILTER	
L9814	J0JCC0000168	FILTER	
L9820	J0JCC0000168	FILTER	
L9821	J0JCC0000168	FILTER	
L9822	J0JCC0000168	FILTER	
L9823	J0JCC0000168	FILTER	
L9824	J0JCC0000168	FILTER	
L9825	J0JCC0000168	FILTER	
L9826	J0JCC0000168	FILTER	
L9827	J0JCC0000168	FILTER	
L9828	J0JCC0000168	FILTER	
L9829	J0JCC0000168	FILTER	
L9830	J0JCC0000168	FILTER	
L9831	J0JCC0000168	FILTER	
L9832	J0JCC0000168	FILTER	
L9833	J0JCC0000168	FILTER	
L9834	J0JCC0000168	FILTER	
L9908	J0JCC0000168	FILTER	
L9909	J0JCC0000168	FILTER	
L9950	J0JCC0000168	FILTER	
FL2505	J0HAAB000036	FILTER	
FL2507	J0HAAB000036	FILTER	
FL2508	J0HAAB000036	FILTER	
FL2509	J0HAAB000036	FILTER	
FL2510	J0HAAB000036	FILTER	
FL2537	J0HAAB000036	FILTER	
FL2538	J0HAAB000036	FILTER	
FL2539	J0HAAB000036	FILTER	
FL2540	J0HAAB000036	FILTER	
FL2541	J0HAAB000036	FILTER	
FL2542	J0HAAB000036	FILTER	
FL2543	J0HAAB000036	FILTER	
FL2544	J0HAAB000036	FILTER	
FL2545	J0HAAB000036	FILTER	
FL2546	F1J1E1040022	FILTER	
FL2547	J0HAAB000040	FILTER	
FL2548	J0HAAB000040	FILTER	
FL2550	J0HAAB000040	FILTER	
FL2551	J0HAAB000040	FILTER	
FL2552	J0HAAB000036	FILTER	
FL2553	J0HAAB000036	FILTER	
FL2554	F1J1A1050020	FILTER	
FL2555	J0HAAB000036	FILTER	
FL2556	J0HAAB000036	FILTER	
FL2557	J0HAAB000040	FILTER	
FL2558	J0HAAB000040	FILTER	
FL2559	J0HAAB000040	FILTER	
FL2560	J0HAAB000040	FILTER	
FL2561	F1J1E1040022	FILTER	
FL2562	F1J1E1040022	FILTER	
FL2563	J0HAAB000036	FILTER	
FL2564	J0HAAB000036	FILTER	
FL2565	J0HAAB000036	FILTER	
FL2566	F1J1E1040022	FILTER	
FL2567	J0HAAB000036	FILTER	
FL2568	J0HAAB000036	FILTER	
FL2569	J0HAAB000036	FILTER	
FL2570	J0HAAB000036	FILTER	
FL2572	J0HAAB000036	FILTER	
FL3000	J0HABC000011	FILTER	
FL3001	J0HABC000011	FILTER	
FL3002	J0HABC000011	FILTER	
FL3003	J0HABC000011	FILTER	
FL3004	J0HABC000011	FILTER	
FL3005	J0HABC000011	FILTER	
FL3006	J0HABC000009	FILTER	
FL3007	J0HABC000009	FILTER	
FL3008	J0HABC000009	FILTER	
FL3009	J0HABC000009	FILTER	
FL3010	J0HABC000009	FILTER	
FL3011	J0HABC000009	FILTER	
FL3012	J0HABC000009	FILTER	
FL9801	J0HAAB000036	FILTER	
FL9802	J0HAAB000036	FILTER	
FL9803	J0HAAB000036	FILTER	
FL9804	J0HAAB000036	FILTER	
FL9805	J0HAAB000036	FILTER	
FL9806	J0HAAB000036	FILTER	
FL9807	J0HAAB000036	FILTER	
FL9808	J0HAAB000036	FILTER	
FL9809	J0HAAB000036	FILTER	
FL9810	J0HAAB000036	FILTER	
FL9901	J0HAAB000036	FILTER	
FL9902	J0HAAB000036	FILTER	
FL9903	J0HAAB000036	FILTER	
FL9904	J0HAAB000036	FILTER	
FL9905	J0HAAB000036	FILTER	
FL9906	J0HAAB000036	FILTER	
FL9907	J0HAAB000036	FILTER	
FL9950	J0HAAB000036	FILTER	
FL9951	J0HAAB000036	FILTER	
FL9952	J0HAAB000036	FILTER	
FL9953	J0HAAB000036	FILTER	
FL9954	J0HAAB000036	FILTER	
[RESISTORS]			
R2001	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2005	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R2006	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R2011	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2027	EXB28V220J	RESISTOR ARRAY	

Ref. No.	Part No.	Part Name & Description	Remarks
R2028	ERJ6ENF51R0	M 51 OHM, 1/10W	
R2030	ERJ6ENF51R0	M 51 OHM, 1/10W	
R2032	ERJ6ENF51R0	M 51 OHM, 1/10W	
R2033	D1HG2208A002	RESISTOR	
R2034	ERJ6ENF51R0	M 51 OHM, 1/10W	
R2037	EXB28V220J	RESISTOR ARRAY	
R2038	ERJ6ENF2002	M 20KOHM, 1/10W	
R2042	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2043	ERJ6ENF2492	M24.9KOHM, 1/10W	
R2044	D1HG2208A002	RESISTOR	
R2046	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R2051	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2052	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2055	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2056	EXB28V220J	RESISTOR ARRAY	
R2060	D1HG2208A002	RESISTOR	
R2065	D1HG2208A002	RESISTOR	
R2067	D1HG2208A002	RESISTOR	
R2069	EXB28V220J	RESISTOR ARRAY	
R2070	D1HG2208A002	RESISTOR	
R2075	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2076	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2078	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2079	D1HG2208A002	RESISTOR	
R2081	D1HG2208A002	RESISTOR	
R2083	D1HG2208A002	RESISTOR	
R2089	EXB28V220J	RESISTOR ARRAY	
R2090	D1HG2208A002	RESISTOR	
R2092	D1HG2208A002	RESISTOR	
R2094	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2097	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R2098	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2099	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2100	D1HG2208A002	RESISTOR	
R2102	D1HG2208A002	RESISTOR	
R2104	EXB28V220J	RESISTOR ARRAY	
R2106	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2107	EXB28V220J	RESISTOR ARRAY	
R2109	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2113	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2119	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2120	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2132	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2137	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2141	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2142	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2143	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2147	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2150	ERJ6ENF2491	M2.49KOHM, 1/10W	
R2151	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2152	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2153	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2154	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2161	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2166	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2174	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2177	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2180	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2181	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2182	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2183	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2184	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2185	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2187	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2188	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2191	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2193	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2194	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2195	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2197	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2198	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2201	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2203	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2235	ERJ3GEYJ100	M 10 OHM,J,1/16W	
R2236	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2238	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2240	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2241	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R2243	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2247	EXB28V220J	RESISTOR ARRAY	
R2506	EXB28V220J	RESISTOR ARRAY	
R2508	EXB28V220J	RESISTOR ARRAY	
R2513	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2514	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2515	EXB28V472J	RESISTOR ARRAY	
R2516	EXB28V472J	RESISTOR ARRAY	
R2520	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2521	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2522	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R2523	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2524	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R2527	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2528	ERJ3GEYJ473	M 47K OHM,J,1/16W	
R2530	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2531	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2533	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2538	ERJ3GEYJ820	METAL OXIDE RESISTOR	
R2542	EXB28V220J	RESISTOR ARRAY	
R2545	ERJ3GEYJ392	M 3.9KOHM,J,1/16W	
R2546	ERJ3GEYJ822	M 8.2KOHM,J,1/16W	
R2547	ERJ3GEYJ822	M 8.2KOHM,J,1/16W	
R2548	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2550	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2551	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2557	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2558	EXB28V102J	RESISTOR ARRAY	
R2562	ERJ3GEYJ272	M 2.7KOHMJ,J1/16W	
R2565	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2568	ERJ3GEYJ272	M 2.7KOHMJ,J1/16W	
R2569	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R2570	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2572	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2574	D1HG1038A002	RESISTOR	
R2575	D1HG1038A002	RESISTOR	
R2586	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	
R2588	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	
R2589	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2600	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2601	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2602	EXB28V220J	RESISTOR ARRAY	
R2603	D1HG2208A002	RESISTOR	
R2604	EXB28V220J	RESISTOR ARRAY	
R2605	EXB28V220J	RESISTOR ARRAY	
R2606	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2607	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2608	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2609	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2610	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2611	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2612	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2613	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2614	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2615	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2616	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2617	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R2618	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2619	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2620	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R2621	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R2622	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2623	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2624	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2625	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2626	EXB28V220J	RESISTOR ARRAY	
R2627	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2628	EXB28V472J	RESISTOR ARRAY	

Ref. No.	Part No.	Part Name & Description	Remarks
R2629	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2630	ERJ3GEYJ561	M 560 OHM,J,1/16W	
R2631	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2632	EXB28V220J	RESISTOR ARRAY	
R2633	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2634	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2635	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2636	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2637	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2638	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2639	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2640	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R2642	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R2643	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2646	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2647	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R2648	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R2650	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R2651	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R2652	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2653	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R2654	ERJ3GEYJ151	M 150 OHM,J,1/16W	
R2655	ERJ3EKF2202	RESISTOR	
R2656	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R2657	ERJ3GEYJ151	M 150 OHM,J,1/16W	
R2658	ERJ3GEYJ151	M 150 OHM,J,1/16W	
R2659	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R2660	ERJ3EKF2202	RESISTOR	
R2661	ERJ3GEYJ151	M 150 OHM,J,1/16W	
R2662	ERJ3GEYJ151	M 150 OHM,J,1/16W	
R2663	ERJ3EKF2202	RESISTOR	
R2665	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2666	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2670	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2676	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2677	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2698	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R2701	EXB28V472J	RESISTOR ARRAY	
R2702	D1HG2208A002	RESISTOR	
R2703	D1HG2208A002	RESISTOR	
R2704	EXB28V220J	RESISTOR ARRAY	
R2705	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R2706	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R2707	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2708	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2709	ERJ3GEYJ221	M 220 OHM,J,1/16W	
R2710	ERJ3GEYJ561	M 560 OHM,J,1/16W	
R2711	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R2712	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R2713	ERJ3GEYJ184	M 180KOHM,J,1/16W	
R2714	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R2717	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2718	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2719	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2720	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2731	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2732	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2736	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2737	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2738	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R2739	ERJ12YJ331	RESISTOR	
R2742	ERJ6ENF2492	M24.9KOHM, 1/10W	
R2743	ERJ3EKF4322	RESISTOR	
R2744	ERJ3EKF4322	RESISTOR	
R3000	ERJ6ENF75R0	M 75 OHM, 1/10W	
R3001	ERJ6ENF75R0	M 75 OHM, 1/10W	
R3002	ERJ6ENF75R0	M 75 OHM, 1/10W	
R3003	ERJ6ENF75R0	M 75 OHM, 1/10W	
R3004	ERJ6ENF75R0	M 75 OHM, 1/10W	
R3005	ERJ6ENF75R0	M 75 OHM, 1/10W	
R3006	ERJ6ENF75R0	M 75 OHM, 1/10W	
R3007	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3008	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3009	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R3010	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3011	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R3012	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3013	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R3014	ERJ3GEYJ682	M 6.8KOHM,J,1/16W	
R3015	ERJ6ENF75R0	M 75 OHM, 1/10W	
R3016	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3017	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3018	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3019	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R3020	ERJ6ENF75R0	M 75 OHM, 1/10W	
R3021	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3022	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3023	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3024	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R3025	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3026	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3027	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3028	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R3029	ERJ6GEYJ271	M 270 OHM,J,1/10W	
R3030	ERJ6GEYJ271	M 270 OHM,J,1/10W	
R3031	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3032	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3033	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	
R3034	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	
R3035	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3036	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3037	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3038	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	
R3039	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	
R3040	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3041	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3042	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3043	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	
R3044	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	
R3046	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3047	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3048	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	
R3049	ERJ3GEYJ3R3	M 3.3 OHM,J,1/16W	
R3051	ERJ3GEYJ223	M 22K OHM,J,1/16W	
R3054	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R3055	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3056	ERJ3GEYJ561	M 560 OHM,J,1/16W	
R3057	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R3058	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R3059	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3060	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R3065	ERJ3GEYJ105	M 1M OHM,J,1/16W	
R3066	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R3067	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R3068	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R3069	ERJ3GEYJ180	METAL OXIDE RESISTOR	
R3070	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R3071	ERJ3GEYJ471	M 470 OHM,J,1/16W	
R3073	ERJ3EKF1600	RESISTOR	
R3074	ERJ3EKF1691	M1.69KOHM, 1/16W	
R3075	ERJ3EKF1371	M 1.37KOHM,0.063W	
R3076	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R3077	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3078	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R3079	ERJ3EKF1501	M 1.5KOHM, 1/16W	
R3080	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R3081	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R3089	EXB28V220J	RESISTOR ARRAY	
R3090	EXB28V560J	RESISTOR ARRAY	
R3091	D1HG5608A002	RESISTOR	
R3092	D1HG5608A002	RESISTOR	
R3093	EXB28V560J	RESISTOR ARRAY	
R3094	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R3095	D1HG5608A002	RESISTOR	
R3097	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3099	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3100	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3101	D1HG2208A002	RESISTOR	
R3102	D1HG2208A002	RESISTOR	
R3103	D1HG2208A002	RESISTOR	
R3104	D1HG2208A002	RESISTOR	
R3105	EXB28V220J	RESISTOR ARRAY	
R3106	ERJ3GEYJ470	M 47 OHM,J,1/16W	
R3107	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3108	ERJ3GEYJ330	M 33 OHM,J,1/16W	
R3109	ERJ3GEYJ330	M 33 OHM,J,1/16W	
R3110	ERJ3GEYJ223	M 22K OHM,J,1/16W	
R3111	EXB28V220J	RESISTOR ARRAY	
R3112	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3113	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3116	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3119	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3124	ERJ3GEYJ330	M 33 OHM,J,1/16W	
R3127	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3128	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3129	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3130	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3132	EXB28V220J	RESISTOR ARRAY	
R3133	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R3134	EXB28V560J	RESISTOR ARRAY	
R3135	EXB28V560J	RESISTOR ARRAY	
R3136	EXB28V560J	RESISTOR ARRAY	
R3137	EXB28V560J	RESISTOR ARRAY	
R3138	EXB28V560J	RESISTOR ARRAY	
R3139	EXB28V560J	RESISTOR ARRAY	
R3140	EXB28V560J	RESISTOR ARRAY	
R3141	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3142	EXB38V680J	RESISTOR ARRAY	
R3143	EXB38V680J	RESISTOR ARRAY	
R3144	EXB38V680J	RESISTOR ARRAY	
R3145	EXB28V560J	RESISTOR ARRAY	
R3146	EXB28V220J	RESISTOR ARRAY	
R3147	EXB38V680J	RESISTOR ARRAY	
R3148	EXB38V680J	RESISTOR ARRAY	
R3149	EXB38V680J	RESISTOR ARRAY	
R3150	EXB38V680J	RESISTOR ARRAY	
R3151	EXB28V560J	RESISTOR ARRAY	
R3152	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3153	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3154	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3155	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3156	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3157	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3158	EXB38V680J	RESISTOR ARRAY	
R3159	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3160	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3161	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3162	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3163	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3164	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3165	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3166	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3167	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3168	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3169	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3170	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3171	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3172	EXB28V390J	RESISTOR ARRAY	
R3173	EXB28V390J	RESISTOR ARRAY	
R3174	EXB28V390J	RESISTOR ARRAY	
R3175	EXB28V390J	RESISTOR ARRAY	
R3176	EXB28V390J	RESISTOR ARRAY	
R3177	EXB28V390J	RESISTOR ARRAY	
R3178	EXB28V390J	RESISTOR ARRAY	
R3179	EXB28V390J	RESISTOR ARRAY	
R3180	ERJ3GEYJ330	M 33 OHM,J,1/16W	
R3183	EXB28V390J	RESISTOR ARRAY	
R3184	EXB28V390J	RESISTOR ARRAY	
R3185	EXB28V390J	RESISTOR ARRAY	

Ref. No.	Part No.	Part Name & Description	Remarks
R3186	EXB28V390J	RESISTOR ARRAY	
R3187	EXB28V390J	RESISTOR ARRAY	
R3188	EXB28V390J	RESISTOR ARRAY	
R3189	EXB28V390J	RESISTOR ARRAY	
R3190	EXB28V390J	RESISTOR ARRAY	
R3191	EXB28V390J	RESISTOR ARRAY	
R3192	EXB28V390J	RESISTOR ARRAY	
R3193	EXB28V390J	RESISTOR ARRAY	
R3194	EXB28V390J	RESISTOR ARRAY	
R3195	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3196	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3197	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3198	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3199	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3200	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3201	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3202	EXB28V220J	RESISTOR ARRAY	
R3203	ERJ3GEYJ331	M 330 OHM,J,1/16W	
R3204	ERJ3EKF4990	RESISTOR	
R3205	EXB28V390J	RESISTOR ARRAY	
R3206	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3207	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3209	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3211	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3213	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3217	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3218	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3228	ERJ3GEYJ330	M 33 OHM,J,1/16W	
R3229	ERJ3GEYJ330	M 33 OHM,J,1/16W	
R3230	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3231	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3232	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3233	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3234	ERJ3GEYJ390	METAL OXIDE RESISTOR	
R3235	EXB38V680J	RESISTOR ARRAY	
R3236	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3237	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3238	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3239	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3240	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3241	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3242	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3243	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3244	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3245	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3246	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3247	ERJ3GEYJ680	M 68 OHM,J,1/16W	
R3248	EXB38V680J	RESISTOR ARRAY	
R3249	EXB38V680J	RESISTOR ARRAY	
R3250	EXB38V680J	RESISTOR ARRAY	
R3251	EXB38V680J	RESISTOR ARRAY	
R3252	EXB38V680J	RESISTOR ARRAY	
R3253	EXB38V680J	RESISTOR ARRAY	
R3254	EXB38V680J	RESISTOR ARRAY	
R3255	EXB38V680J	RESISTOR ARRAY	
R3256	EXB38V680J	RESISTOR ARRAY	
R3257	EXB38V680J	RESISTOR ARRAY	
R3258	EXB38V680J	RESISTOR ARRAY	
R3260	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3262	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3263	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3264	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3265	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3266	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3270	ERJ3GEYJ100	M 10 OHM,J,1/16W	
R3300	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3301	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3302	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3303	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3304	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3305	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3306	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3307	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3308	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R3336	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R3337	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R3338	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R3416	EXB28V472J	RESISTOR ARRAY	
R3417	EXB28V472J	RESISTOR ARRAY	
R3436	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3446	EXB28V560J	RESISTOR ARRAY	
R3448	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R3482	ERJ3GEYJ470	M 47 OHM,J,1/16W	
R3515	EXB28V472J	RESISTOR ARRAY	
R3685	EXB28V472J	RESISTOR ARRAY	
R3686	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R3693	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R3695	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R3699	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3700	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3702	ERJ12YJ100	M 10 OHM,J, 1/2W	
R3703	ERJ3GEYJ100	M 10 OHM,J,1/16W	
R3704	ERJ1TYJ221	M 220 OHM, 1W	
R3705	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3706	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R3707	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3708	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3709	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R3710	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R3711	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3712	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R3713	ERJ1TYJ221	M 220 OHM, 1W	
R3714	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3715	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3716	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3717	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3718	ERJ3GEYJ102	M 1K OHM,J,1/16W	
R3723	ERJ3EKF2001	M 2K OHM, 0.063W	
R3724	ERJ3EKF2001	M 2K OHM, 0.063W	
R3725	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3728	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3729	ERJ3EKF2001	M 2K OHM, 0.063W	
R3730	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3733	ERJ3EKF2001	M 2K OHM, 0.063W	
R3742	ERJ3EKF2201	RESISTOR	
R3745	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3747	ERJ3EKF2201	RESISTOR	
R3750	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3751	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3752	ERJ3EKF2001	M 2K OHM, 0.063W	
R3753	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3754	ERJ3EKF2001	M 2K OHM, 0.063W	
R3755	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3760	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R3766	ERJ3EKF2201	RESISTOR	
R3768	ERJ3EKF2201	RESISTOR	
R3775	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3777	ERJ3EKF2201	RESISTOR	
R3778	ERJ3EKF2001	M 2K OHM, 0.063W	
R3779	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3786	ERJ3EKF2201	RESISTOR	
R3798	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3799	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3800	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3801	ERJ3EKF2001	M 2K OHM, 0.063W	
R3802	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3805	ERJ3EKF2201	RESISTOR	
R3807	ERJ3EKF6201	RESISTOR	
R3808	ERJ3EKF2201	RESISTOR	
R3809	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3810	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3811	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3812	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3813	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3814	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3815	ERJ3GEYJ560	M 56 OHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3816	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3817	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R3818	ERJ3EKF2001	M 2K OHM, 0.063W	
R3819	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3820	ERJ3EKF2001	M 2K OHM, 0.063W	
R3821	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3822	ERJ3EKF6201	RESISTOR	
R3825	ERJ3EKF2201	RESISTOR	
R3827	ERJ3EKF2201	RESISTOR	
R3828	ERJ3GEYJ560	M 56 OHM,J,1/16W	
R3916	EXB28V222J	RESISTOR ARRAY	
R3917	EXB28V102J	RESISTOR ARRAY	
R3931	EXB28V222J	RESISTOR ARRAY	
R3932	EXB28V102J	RESISTOR ARRAY	
R9601	ERJ6ENF3300	M 330 OHM, 1/10W	
R9602	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R9603	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R9604	ERJ3GEYJ103	M 10K OHM,J,1/16W	
R9606	ERJ3GEYJ220	M 22 OHM,J,1/16W	
R9608	ERJ3GEY0R00	M 0 OHM, 1/16W	
R9609	ERJ3GEY0R00	M 0 OHM, 1/16W	
R9801	ERD25VJ1R0	RESISTOR	
R9802	ERJ3GEYJ223	M 22K OHM,J,1/16W	
R9803	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	
R9804	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R9805	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R9806	D1HG1018A002	RESISTOR	
R9807	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9808	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9809	ERJ6GEYJ391	M 390 OHM,J,1/10W	
R9810	ERJ3GEYJ223	M 22K OHM,J,1/16W	
R9811	ERJ6GEYJ2R2	M 2.2 OHM,J,1/10W	
R9812	ERJ3GEYJ272	M 2.7KOHMJ,J1/16W	
R9813	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9814	ERJ3GEYJ272	M 2.7KOHMJ,J1/16W	
R9815	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R9816	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R9817	ERJ6GEY0R00	M 0 OHM,J,1/10W	
R9818	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R9819	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9820	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9821	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9822	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9823	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9824	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9825	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9826	ERJ6GEYJ101	M 100 OHM,J,1/10W	
R9827	ERJ3GEYJ182	M 1.8KOHM,J,1/16W	
R9828	EXB28V102J	RESISTOR ARRAY	
R9829	EXB28V102J	RESISTOR ARRAY	
R9901	ERJ3GEYJ470	M 47 OHM,J,1/16W	
R9902	ERJ3GEYJ101	M 100 OHM,J,1/16W	
R9903	ERJ3GEYJ681	M 680 OHM,J,1/16W	
R9904	ERJ3GEYJ681	M 680 OHM,J,1/16W	
R9905	ERJ3GEYJ681	M 680 OHM,J,1/16W	
R9906	ERJ3GEYJ681	M 680 OHM,J,1/16W	
R9950	ERJ6ENF5601	M 5.6KOHM, 1/10W	
R9951	ERJ3EKF1501	M 1.5KOHM, 1/16W	
R9952	ERJ3EKF1501	M 1.5KOHM, 1/16W	
R9953	ERJ3EKF2201	RESISTOR	
R9954	ERJ6ENF3301	M 3.3KOHM, 1/10W	
R9955	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R9956	ERJ3EKF3302	M 33KOHM, 1/16W	
R9957	ERJ6ENF5601	M 5.6KOHM, 1/10W	
R9958	ERJ3EKF1501	M 1.5KOHM, 1/16W	
R9959	ERJ3EKF1501	M 1.5KOHM, 1/16W	
R9960	ERJ3EKF2201	RESISTOR	
R9961	ERJ6ENF3301	M 3.3KOHM, 1/10W	
R9962	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R9963	ERJ3EKF3302	M 33KOHM, 1/16W	
R9964	ERJ6ENF5601	M 5.6KOHM, 1/10W	
R9965	ERJ3EKF1501	M 1.5KOHM, 1/16W	
R9966	ERJ3EKF1501	M 1.5KOHM, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R9967	ERJ3EKF2201	RESISTOR	
R9968	ERJ6ENF3301	M 3.3KOHM, 1/10W	
R9969	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R9970	ERJ3EKF3302	M 33KOHM, 1/16W	
R9971	ERJ3GEYJ470	M 47 OHM,J,1/16W	
		[CAPACITORS]	
C2002	F2G0J4700010	CAPACITOR	
C2003	F1G1C104A077	CAPACITOR	
C2004	F1G1C104A077	CAPACITOR	
C2005	F1G1C104A077	CAPACITOR	
C2006	F1G1C104A077	CAPACITOR	
C2007	F1G1C104A077	CAPACITOR	
C2008	F1G1C104A077	CAPACITOR	
C2009	ECJ1VC1H150J	C 15PF, J, 50V	
C2010	F1G1C104A077	CAPACITOR	
C2011	F1G1C104A077	CAPACITOR	
C2012	F1G1C104A077	CAPACITOR	
C2013	ECJ1VC1H150J	C 15PF, J, 50V	
C2014	F1G1C104A077	CAPACITOR	
C2015	F1G1C104A077	CAPACITOR	
C2016	F1G1C104A077	CAPACITOR	
C2017	F1G1C104A077	CAPACITOR	
C2018	F1G1C104A077	CAPACITOR	
C2019	F1G1C104A077	CAPACITOR	
C2020	F1G1C104A077	CAPACITOR	
C2021	F1G1C104A077	CAPACITOR	
C2022	F1G1C104A077	CAPACITOR	
C2023	F1G1C104A077	CAPACITOR	
C2024	F1G1C104A077	CAPACITOR	
C2025	F1G1C104A077	CAPACITOR	
C2026	F1G1C104A077	CAPACITOR	
C2027	F2G0J4700010	CAPACITOR	
C2029	F1G1C104A077	CAPACITOR	
C2030	F1G1C104A077	CAPACITOR	
C2031	F1G1C104A077	CAPACITOR	
C2032	F1G1C104A077	CAPACITOR	
C2033	F2G0J4700010	CAPACITOR	
C2034	F1G1C104A077	CAPACITOR	
C2035	F1G1C104A077	CAPACITOR	
C2036	F1G1C104A077	CAPACITOR	
C2037	F1G1C104A077	CAPACITOR	
C2039	F2G0J4700010	CAPACITOR	
C2041	F2G0J4700010	CAPACITOR	
C2042	F1G1C104A077	CAPACITOR	
C2043	F2G0J4700010	CAPACITOR	
C2044	F1G1C104A077	CAPACITOR	
C2045	F1G1C104A077	CAPACITOR	
C2046	F1G1C104A077	CAPACITOR	
C2047	F1G1C104A077	CAPACITOR	
C2048	F1G1C104A077	CAPACITOR	
C2049	F1G1C104A077	CAPACITOR	
C2050	F1G1C104A077	CAPACITOR	
C2051	F1G1C104A077	CAPACITOR	
C2052	F1G1C104A077	CAPACITOR	
C2053	F1G1C104A077	CAPACITOR	
C2054	F2G0J4700010	CAPACITOR	
C2055	EEEHB0G221P	E 220UF, 4V	
C2056	F1G1C104A077	CAPACITOR	
C2057	F1G1C104A077	CAPACITOR	
C2058	F2G0J4700010	CAPACITOR	
C2059	F2G0J4700010	CAPACITOR	
C2060	F1G1C104A077	CAPACITOR	
C2061	F2G0J1010013	CAPACITOR	
C2062	F1G1C104A077	CAPACITOR	
C2076	F1G1C104A077	CAPACITOR	
C2077	EEFCD0K330R	CAPACITOR	
C2079	F1G1C104A077	CAPACITOR	
C2084	ECJ2FF1A106Z	C 10UF, 10V	
C2085	ECJ0EB1H102K	C 1000PF, 50V	
C2086	ECJ1VC1H030C	CAPACITOR	
C2505	ECJ1VF1A105Z	C 1UF, Z, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2506	F1G1C104A077	CAPACITOR	
C2507	F1G1C104A077	CAPACITOR	
C2508	F1G1C104A077	CAPACITOR	
C2512	F1G1C104A077	CAPACITOR	
C2513	F2G0J4700010	CAPACITOR	
C2514	F1G1C104A077	CAPACITOR	
C2515	F1G1C104A077	CAPACITOR	
C2516	F1G1C104A077	CAPACITOR	
C2520	F1G1C104A077	CAPACITOR	
C2521	F2G0J4700010	CAPACITOR	
C2522	F1G1C104A077	CAPACITOR	
C2523	F1G1C104A077	CAPACITOR	
C2524	F1G1C104A077	CAPACITOR	
C2525	F1G1C104A077	CAPACITOR	
C2526	F1G1C104A077	CAPACITOR	
C2527	ECJ1VC1H471J	C 470PF, J, 50V	
C2528	F1G1C104A077	CAPACITOR	
C2529	F2G0J4700010	CAPACITOR	
C2530	F1G1C104A077	CAPACITOR	
C2531	ECJ1VC1H100C	C 10PF, 50V	
C2532	ECJ1VC1H100C	C 10PF, 50V	
C2533	F1G1C104A077	CAPACITOR	
C2534	F2G0J4700010	CAPACITOR	
C2535	F1G1C104A077	CAPACITOR	
C2536	F1G1C104A077	CAPACITOR	
C2537	F1G1C104A077	CAPACITOR	
C2538	F1G1C104A077	CAPACITOR	
C2541	F1G1C104A077	CAPACITOR	
C2543	F2G0J4700010	CAPACITOR	
C2547	F1G1C104A077	CAPACITOR	
C2548	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2549	F1G1C104A077	CAPACITOR	
C2552	F1G1C104A077	CAPACITOR	
C2553	F1G1C104A077	CAPACITOR	
C2554	ECJ1VB1H103K	C 0.01UF, K, 50V	
C2556	ECJ1VB1H103K	C 0.01UF, K, 50V	
C2558	ECJ1VC1H101J	C 100PF, J, 50V	
C2559	F1G1C104A077	CAPACITOR	
C2560	F1G1C104A077	CAPACITOR	
C2561	F1G1C104A077	CAPACITOR	
C2562	F1G1C104A077	CAPACITOR	
C2563	F1G1C104A077	CAPACITOR	
C2564	F1G1C104A077	CAPACITOR	
C2581	F1G1C104A077	CAPACITOR	
C2583	EEEHB0G221P	E 220UF, 4V	
C2584	EEEHB0G221P	E 220UF, 4V	
C2585	F1G1C104A077	CAPACITOR	
C2586	F1G1C104A077	CAPACITOR	
C2587	ECJ1VF1A105Z	C 1UF, Z, 50V	
C2589	F1G1C104A077	CAPACITOR	
C2590	F1G1C104A077	CAPACITOR	
C2593	F1G1C104A077	CAPACITOR	
C2594	F1G1C104A077	CAPACITOR	
C2595	F1G1C104A077	CAPACITOR	
C3002	ECJ3YF1C475Z	C 4.7UF, Z, 16V	
C3004	F1G1C104A077	CAPACITOR	
C3005	F1G1C104A077	CAPACITOR	
C3006	ECJ2FF1A106Z	C 10UF, 10V	
C3008	ECJ1VC1H030C	CAPACITOR	
C3009	F1G1C104A077	CAPACITOR	
C3010	EEEHP1E220P	CAPACITOR	
C3011	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3012	EEEHP1E220P	CAPACITOR	
C3013	ECJ1VC1H101J	C 100PF, J, 50V	
C3014	ECJ3YF1C475Z	C 4.7UF, Z, 16V	
C3015	EEEHP1E220P	CAPACITOR	
C3017	ECJ3YF1C475Z	C 4.7UF, Z, 16V	
C3018	F1G1C104A077	CAPACITOR	
C3020	F1G1C104A077	CAPACITOR	
C3021	ECJ1VC1H030C	CAPACITOR	
C3022	F2G0J3300014	CAPACITOR	
C3023	ECJ1VF1A225Z	CAPACITOR	
C3024	ECJ1VB1H103K	C 0.01UF, K, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C3025	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3026	ECJ0EB1H102K	C 1000PF, 50V	
C3027	F2G0J3300014	CAPACITOR	
C3028	ECJ1VF1A225Z	CAPACITOR	
C3029	F1G1C104A077	CAPACITOR	
C3030	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3031	F2G1C1000013	CAPACITOR	
C3032	ECJ0EB1H102K	C 1000PF, 50V	
C3033	F1G1C104A077	CAPACITOR	
C3034	F2G0J4700010	CAPACITOR	
C3035	F1G1C104A077	CAPACITOR	
C3036	F1G1C104A077	CAPACITOR	
C3037	EEEHB0J330R	E 33UF, 6.3V	
C3038	F1G1C104A077	CAPACITOR	
C3039	EEEHB0G101R	E 100UF, 4V	
C3041	ECJ1VF1A225Z	CAPACITOR	
C3042	ECJ0EB1H102K	C 1000PF, 50V	
C3043	ECJ0EB1H102K	C 1000PF, 50V	
C3044	ECJ1VF1A225Z	CAPACITOR	
C3045	F1G1C104A077	CAPACITOR	
C3046	EEEHB0J330R	E 33UF, 6.3V	
C3048	ECJ0EB1H102K	C 1000PF, 50V	
C3049	ECJ1VF1A225Z	CAPACITOR	
C3050	ECJ2FF1A106Z	C 10UF, 10V	
C3051	ECJ2FF1A106Z	C 10UF, 10V	
C3052	F1G1C104A077	CAPACITOR	
C3053	ECJ2FF1A106Z	C 10UF, 10V	
C3054	EEEHB0G101R	E 100UF, 4V	
C3055	F1G1C104A077	CAPACITOR	
C3056	F1G1C104A077	CAPACITOR	
C3057	F1G1C104A077	CAPACITOR	
C3058	F1G1C104A077	CAPACITOR	
C3059	F1G1C104A077	CAPACITOR	
C3060	F1G1C104A077	CAPACITOR	
C3061	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3062	ECJ1VB1C823K	C 0.82UF, 16V	
C3063	ECJ1VB0J824K	CAPACITOR	
C3064	ECJ1VB1C393K	CAPACITOR	
C3065	ECJ0EB1H102K	C 1000PF, 50V	
C3066	F1G1C104A077	CAPACITOR	
C3067	F1G1C104A077	CAPACITOR	
C3068	F1G1C104A077	CAPACITOR	
C3069	F1G1C104A077	CAPACITOR	
C3070	F1G1C104A077	CAPACITOR	
C3071	ECJ2FF1A106Z	C 10UF, 10V	
C3072	F1G1C104A077	CAPACITOR	
C3073	ECJ2FF1A106Z	C 10UF, 10V	
C3074	F1G1C104A077	CAPACITOR	
C3075	F1G1C104A077	CAPACITOR	
C3076	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3077	F1G1C104A077	CAPACITOR	
C3078	ECJ2FF1A106Z	C 10UF, 10V	
C3079	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3080	F1G1C104A077	CAPACITOR	
C3081	ECJ2FF1A106Z	C 10UF, 10V	
C3082	F1G1C104A077	CAPACITOR	
C3083	F1G1C104A077	CAPACITOR	
C3084	F1G1C104A077	CAPACITOR	
C3085	F1G1C104A077	CAPACITOR	
C3086	F1G1C104A077	CAPACITOR	
C3087	ECJ0EB1H102K	C 1000PF, 50V	
C3088	F1G1C104A077	CAPACITOR	
C3089	F1G1C104A077	CAPACITOR	
C3090	ECJ1VB1C823K	C 0.82UF, 16V	
C3091	ECJ0EB1C822K	CAPACITOR	
C3092	F1G1C104A077	CAPACITOR	
C3093	F1G1C104A077	CAPACITOR	
C3094	F1G1C104A077	CAPACITOR	
C3095	F1G1C104A077	CAPACITOR	
C3096	F1G1C104A077	CAPACITOR	
C3097	F1G1C104A077	CAPACITOR	
C3098	F1G1C104A077	CAPACITOR	
C3099	F1G1C104A077	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C3100	ECJ2FF1A106Z	C 10UF, 10V	
C3101	F1G1C104A077	CAPACITOR	
C3102	ECJ2FF1A106Z	C 10UF, 10V	
C3103	F1G1C104A077	CAPACITOR	
C3104	F1G1C104A077	CAPACITOR	
C3105	ECJ1VF1A225Z	CAPACITOR	
C3106	ECJ0EB1H102K	C 1000PF, 50V	
C3108	ECJ0EB1H102K	C 1000PF, 50V	
C3109	ECJ1VF1A225Z	CAPACITOR	
C3111	ECJ2FF1A106Z	C 10UF, 10V	
C3113	ECJ2FF1A106Z	C 10UF, 10V	
C3115	F1G1C104A077	CAPACITOR	
C3116	ECJ2FF1A106Z	C 10UF, 10V	
C3124	ECJ1VB1H103K	C 0.01UF, K, 50V	
C3127	EEEHP1E220P	CAPACITOR	
C3132	F1G1C104A077	CAPACITOR	
C3133	F1G1C104A077	CAPACITOR	
C3134	F1G1C104A077	CAPACITOR	
C3135	F1G1C104A077	CAPACITOR	
C3136	F1G1C104A077	CAPACITOR	
C3138	F1G1C104A077	CAPACITOR	
C3139	F1G1C104A077	CAPACITOR	
C3140	F1G1C104A077	CAPACITOR	
C3141	F1G1C104A077	CAPACITOR	
C3142	F1G1C104A077	CAPACITOR	
C3143	F1G1C104A077	CAPACITOR	
C3145	F1G1C104A077	CAPACITOR	
C3148	F1G1C104A077	CAPACITOR	
C3149	F1G1C104A077	CAPACITOR	
C3150	F1G1C104A077	CAPACITOR	
C3151	F1G1C104A077	CAPACITOR	
C3152	F1G1C104A077	CAPACITOR	
C3153	F1G1C104A077	CAPACITOR	
C3154	F1G1C104A077	CAPACITOR	
C3155	F1G1C104A077	CAPACITOR	
C3156	F1G1C104A077	CAPACITOR	
C3177	EEEHP1A330P	CAPACITOR	
C3180	F2G1E4R70007	CAPACITOR	
C3181	F1G1C104A077	CAPACITOR	
C3182	F2G0J1010013	CAPACITOR	
C3183	F1G1C104A077	CAPACITOR	
C3204	F1G1C104A077	CAPACITOR	
C3205	F1G1C104A077	CAPACITOR	
C3208	F1G1C104A077	CAPACITOR	
C3209	F1G1C104A077	CAPACITOR	
C3210	F1G1C104A077	CAPACITOR	
C3211	F1G1C104A077	CAPACITOR	
C3212	F1G1C104A077	CAPACITOR	
C3213	F1G1C104A077	CAPACITOR	
C3214	F1G1C104A077	CAPACITOR	
C3215	F1G1C104A077	CAPACITOR	
C3216	F1G1C104A077	CAPACITOR	
C3217	F1G1C104A077	CAPACITOR	
C3218	F1G1C104A077	CAPACITOR	
C3219	F1G1C104A077	CAPACITOR	
C3220	F1G1C104A077	CAPACITOR	
C3221	F1G1C104A077	CAPACITOR	
C3222	F1G1C104A077	CAPACITOR	
C3223	F1G1C104A077	CAPACITOR	
C3224	F1G1C104A077	CAPACITOR	
C3225	F1G1C104A077	CAPACITOR	
C3226	F1G1C104A077	CAPACITOR	
C3227	F1G1C104A077	CAPACITOR	
C3228	F1G1C104A077	CAPACITOR	
C3229	F1G1C104A077	CAPACITOR	
C3230	F1G1C104A077	CAPACITOR	
C3231	F1G1C104A077	CAPACITOR	
C3232	F1G1C104A077	CAPACITOR	
C3233	F1G1C104A077	CAPACITOR	
C3234	F1G1C104A077	CAPACITOR	
C3235	F1G1C104A077	CAPACITOR	
C3236	F1G1C104A077	CAPACITOR	
C3237	F1G1C104A077	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C3238	F1G1C104A077	CAPACITOR	
C3239	F1G1C104A077	CAPACITOR	
C3240	F1G1C104A077	CAPACITOR	
C3241	F1G1C104A077	CAPACITOR	
C3242	F1G1C104A077	CAPACITOR	
C3243	F1G1C104A077	CAPACITOR	
C3244	F1G1C104A077	CAPACITOR	
C3245	F1G1C104A077	CAPACITOR	
C3246	F1G1C104A077	CAPACITOR	
C3247	EEEHB0G101R	E 100UF, 4V	
C3248	F1G1C104A077	CAPACITOR	
C3249	F1G1C104A077	CAPACITOR	
C3250	ECJ1VC1H471J	C 470PF, J, 50V	
C3251	ECJ1VF1A105Z	C 1UF, Z, 50V	
C3252	F2G0J4700010	CAPACITOR	
C3253	F2G0J4700010	CAPACITOR	
C3254	F1G1C104A077	CAPACITOR	
C3255	F1G1C104A077	CAPACITOR	
C3256	F1G1C104A077	CAPACITOR	
C3257	F1G1C104A077	CAPACITOR	
C3258	F1G1C104A077	CAPACITOR	
C3259	F1G1C104A077	CAPACITOR	
C3260	F1G1C104A077	CAPACITOR	
C3261	F1G1C104A077	CAPACITOR	
C3262	F1G1C104A077	CAPACITOR	
C3263	F1G1C104A077	CAPACITOR	
C3264	F1G1C104A077	CAPACITOR	
C3265	F1G1C104A077	CAPACITOR	
C3266	F1G1C104A077	CAPACITOR	
C3267	F1G1C104A077	CAPACITOR	
C3268	F1G1C104A077	CAPACITOR	
C3269	F1G1C104A077	CAPACITOR	
C3270	F1G1C104A077	CAPACITOR	
C3271	F1G1C104A077	CAPACITOR	
C3272	F1G1C104A077	CAPACITOR	
C3273	F1G1C104A077	CAPACITOR	
C3274	F1G1C104A077	CAPACITOR	
C3275	F1G1C104A077	CAPACITOR	
C3276	F1G1C104A077	CAPACITOR	
C3277	F1G1C104A077	CAPACITOR	
C3278	F1G1C104A077	CAPACITOR	
C3279	F1G1C104A077	CAPACITOR	
C3280	F1G1C104A077	CAPACITOR	
C3281	F1G1C104A077	CAPACITOR	
C3282	F1G1C104A077	CAPACITOR	
C3283	ECJ0EC1H680J	CAPACITOR	
C3284	ECJ2FF1A106Z	C 10UF, 10V	
C3285	ECJ2FF1A106Z	C 10UF, 10V	
C3290	F1G1C104A077	CAPACITOR	
C3291	F1G1C104A077	CAPACITOR	
C3292	F1G1C104A077	CAPACITOR	
C3293	EEEHB0J330R	E 33UF, 6.3V	
C3303	F1G1C104A077	CAPACITOR	
C3312	F1G1C104A077	CAPACITOR	
C3316	F1G1C104A077	CAPACITOR	
C3317	F1G1C104A077	CAPACITOR	
C3318	F1G1C104A077	CAPACITOR	
C3319	F1G1C104A077	CAPACITOR	
C3320	F1G1C104A077	CAPACITOR	
C3321	F1G1C104A077	CAPACITOR	
C3324	F1G1C104A077	CAPACITOR	
C3325	F1G1C104A077	CAPACITOR	
C3327	F1G1C104A077	CAPACITOR	
C3328	F1G1C104A077	CAPACITOR	
C3329	F1G1C104A077	CAPACITOR	
C3330	F1G1C104A077	CAPACITOR	
C3331	F1G1C104A077	CAPACITOR	
C3333	F1G1C104A077	CAPACITOR	
C3334	F1G1C104A077	CAPACITOR	
C3335	F1G1C104A077	CAPACITOR	
C3336	F1G1C104A077	CAPACITOR	
C3337	F1G1C104A077	CAPACITOR	
C3338	F1G1C104A077	CAPACITOR	

Ref. No.	Part No.	Part Name & Description	Remarks
C3356	F1G1C104A077	CAPACITOR	
C3398	ECJ1VC1H101J	C 100PF, J, 50V	
C3399	ECJ1VC1H101J	C 100PF, J, 50V	
C3404	F1G1C104A077	CAPACITOR	
C3640	F1G1C104A077	CAPACITOR	
C3641	F1G1C104A077	CAPACITOR	
C3642	F1G1C104A077	CAPACITOR	
C3643	F1G1C104A077	CAPACITOR	
C3644	F1G1C104A077	CAPACITOR	
C3645	F1G1C104A077	CAPACITOR	
C3646	F1G1C104A077	CAPACITOR	
C3647	F1G1C104A077	CAPACITOR	
C3648	F1G1C104A077	CAPACITOR	
C3649	F1G1C104A077	CAPACITOR	
C3650	F1G1C104A077	CAPACITOR	
C3651	F1G1C104A077	CAPACITOR	
C3653	F2G1E3300010	CAPACITOR	
C3654	F2G1E3300010	CAPACITOR	
C3655	F1G1C104A077	CAPACITOR	
C3656	F1G1C104A077	CAPACITOR	
C3657	F1G1C104A077	CAPACITOR	
C3658	F2G1E3300010	CAPACITOR	
C3659	F2G1E3300010	CAPACITOR	
C3660	F1G1C104A077	CAPACITOR	
C3661	F2G1E3300010	CAPACITOR	
C3662	F2G1E3300010	CAPACITOR	
C3663	F1G1C104A077	CAPACITOR	
C3664	F1G1C104A077	CAPACITOR	
C3667	F2G1E3300010	CAPACITOR	
C3669	F1G1C104A077	CAPACITOR	
C3671	F2G1E3300010	CAPACITOR	
C3672	F1G1C104A077	CAPACITOR	
C3675	F2G1E3300010	CAPACITOR	
C3676	F2G1E3300010	CAPACITOR	
C3679	F1G1C104A077	CAPACITOR	
C3684	F2G0J4700010	CAPACITOR	
C3689	F1G1C104A077	CAPACITOR	
C3698	F1G1C104A077	CAPACITOR	
C3699	F1G1C104A077	CAPACITOR	
C3700	F1G1C104A077	CAPACITOR	
C3701	F4D272750005	CAPACITOR	
C3702	F4D272750005	CAPACITOR	
C3703	F4D272750005	CAPACITOR	
C3704	F4D272750005	CAPACITOR	
C3705	F4D272750005	CAPACITOR	
C3758	F1G1C104A077	CAPACITOR	
C3763	F2G1E4R70007	CAPACITOR	
C3781	F2G1E4R70007	CAPACITOR	
C3785	F2G0J4700010	CAPACITOR	
C3788	EEEHB0G101R	E 100UF, 4V	
C3790	F2G0J1010013	CAPACITOR	
C3791	F2G0J1010013	CAPACITOR	
C3792	F2G1E4R70007	CAPACITOR	
C3799	ECJ1VF1H104Z	C 0.1UF, Z, 50V	
C3800	F1G1C104A077	CAPACITOR	
C3801	F1G1C104A077	CAPACITOR	
C3802	F2G1E3300010	CAPACITOR	
C3803	ECJ1VF1A105Z	C 1UF, Z, 50V	
C3804	F1G1C104A077	CAPACITOR	
C3805	F2G0J4700010	CAPACITOR	
C3806	F1G1C104A077	CAPACITOR	
C3807	F1G1C104A077	CAPACITOR	
C9602	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9801	F1G1C104A077	CAPACITOR	
C9802	F1G1C104A077	CAPACITOR	
C9803	F1G1C104A077	CAPACITOR	
C9804	EEEHB0J470R	E 47UF, 6.3V	
C9806	F1G1C104A077	CAPACITOR	
C9808	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9814	ECJ1VF1A105Z	C 1UF, Z, 50V	
C9815	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9818	ECJ1VB1H103K	C 0.01UF, K, 50V	
C9820	ECJ1VF1C104Z	C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C9821	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9822	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9823	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9824	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9825	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9826	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9827	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9828	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9829	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9901	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9902	EEEHB0J470R	E 47UF, 6.3V	
C9950	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9951	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C9952	EEEHB0J470R	E 47UF, 6.3V	
[OTHERS]			
A1	K1MN06BA0193	6P CONNECTOR	
A2	K1MN09B00102	9P CONNECTOR	
A3	K1MY13AA0006	13P CONNECTOR	
A5	K1KA10AA0033	10P CONNECTOR	
A7	K1KA04AA0264	4P CONNECTOR	
A8	K1KA05AA0265	5P CONNECTOR	
A9	K1KA02BA0047	2P CONNECTOR	
A10	K1KA02AA0150	2P CONNECTOR	
A11	K1KA02AA0104	2P CONNECTOR	
A12	K1KA03AA0263	3P CONNECTOR	
A20	K1KA04BA0047	4P CONNECTOR	
A21	K1KA04AA0264	4P CONNECTOR	
A22	K1KA08BA0047	8P CONNECTOR	
A24	K1KA04BA0047	4P CONNECTOR	
A25	K1KA03BA0047	3P CONNECTOR	
A26	K1KA03AA0104	3P CONNECTOR	
A27	K1KA03AA0104	3P CONNECTOR	
A30	K1KA03BA0047	3P CONNECTOR	
A31	K1KA04AA0104	4P CONNECTOR	
A32	K1KA03AA0104	3P CONNECTOR	
A34	K1KA04AA0104	4P CONNECTOR	
A35	K1KA04AA0104	4P CONNECTOR	
A40	K1KA08AA0266	8P CONNECTOR	
A41	K1MY19B00002	19P CONNECTOR	
A42	K1KA14BA0051	14P CONNECTOR	
A43	K1KA04BA0047	4P CONNECTOR	
A61	K1KA06AA0104	6P CONNECTOR	
A62	K1KA06BA0047	6P CONNECTOR	
CW1	K1KA03AA0263	3P CONNECTOR	
J1	K1MY13BA0031	CONNECTOR	
R1	K1MY09BA0014	9P CONNECTOR	
B2501	BCR20V4	BATTERY HOLDER	
F102	K5D123AQA001	FUSE	⚠ D5700U/UL, DW5100U/UL
	K5D632BNA005	FUSE	⚠ D5700E/EL, DW5100E/EL
JK2001	K2LC108B0064	TERMINAL	
JK2003	K1FB124B0026	TERMINAL	
JK3001	K1CB204BA002	TERMINAL	
JK3002	K1FB115B0102	TERMINAL	
JK3003	K1QBB5AB0005	TERMINAL	
JK3004	K1QBB1CB0005	TERMINAL	
JK9801	K2HC103B0204	TERMINAL	
JK9802	K2HC103B0203	TERMINAL	
JK9803	K1FA109B0061	CONNECTOR	
JK9804	K1FB109B0070	CONNECTOR	
JK9805	K1FB109B0070	CONNECTOR	
PC9601	B3NBB0000005	I.C	
RM9901	B3RAD0000083	REMOTE RECEIVER PLATE	
SW9950	EVQ11G05R	SWITCH	
SW9951	EVQ11G05R	SWITCH	
SW9952	EVQ11G05R	SWITCH	
SW9953	EVQ11G05R	SWITCH	
SW9954	EVQ11G05R	SWITCH	
SW9955	EVQ11G05R	SWITCH	
SW9956	EVQ11G05R	SWITCH	

Ref. No.	Part No.	Part Name & Description	Remarks
SW9957	EVQ11G05R	SWITCH	
SW9958	EVQ11G05R	SWITCH	
SW9959	EVQ11G05R	SWITCH	
SW9960	EVQ11G05R	SWITCH	
SW9961	EVQ11G05R	SWITCH	
SW9962	EVQ11G05R	SWITCH	
SW9963	EVQ11G05R	SWITCH	
SW9964	EVQ11G05R	SWITCH	
SW9965	EVQ11G05R	SWITCH	
X2002	H1A6605B0004	CRYSTAL	
X2003	H0J250500042	CRYSTAL	
X2501	H0J983400016	CRYSTAL	
X2502	H0J327200114	CRYSTAL	
X3000	H0J286500027	CRYSTAL	
RTL	TXN/A2VKE9	CIRCUIT BOARD A	⚠
RTL	TXN/J1VKE9	CIRCUIT BOARD J	⚠
RTL	TXN/R1VKE9	CIRCUIT BOARD R	⚠
RTL	TXN/S2VKE9	CIRCUIT BOARD S	⚠
RTL	TXNCW1VKC6	CIRCUIT BOARD CW	⚠
	N0ZZ00000021	BALLAST	⚠
	ETXMM666MEH	CIRCUIT BOARD (PC)	⚠
	TXNL11VKE9	CIRCUIT BOARD L1	⚠
	TXNL21VKE9	CIRCUIT BOARD L2	⚠

Control Commands
PT-D5700*/D5700L*
PT-DW5100*/DW5100L*

1. Basic Format

Transmission from the computer begins with STX, then the ID, command, parameter, and ETX are sent in this order. Add parameters according to the details of control.

Basic control command (without parameter)

Start (STX)	ID	Separator (semicolon)	Command	End (ETX)
1 byte	4 bytes	1 byte	3 bytes	1 byte

Basic control command (with parameters)

Start (STX)	ID	Separator (semicolon)	Command	Separator (colon)	Parameters	End (ETX)
1 byte	4 bytes	1 byte	3 bytes	1 byte	Undefined length	1 byte

Basic control command (with subcommand)

Start (STX)	ID	Separator (semicolon)	Command	Separator (colon)		
1 byte	4 bytes	1 byte	3 bytes	1 byte		
Subcommand		Operation	Sign	Parameters		End (ETX)
5 bytes		1 byte	1 byte	5 bytes		1 byte

■Operation

Specifies the method of processing the value specified by parameters.

Code	Description
=	Sets the value specified by the parameter.
_ (underbar)	Adds the value specified by the parameter to the current value.

■Sign

Specifies positive or negative of the value specified by parameters.

Code	Description
+	The value specified by the parameter is a positive value or 0 (zero).
-	The value specified by the parameter is a negative value.

■Parameters

Specify the setting or adjustment value by right justification (0 is not suppressed).

For example, when the setting value is "1", set it as "00001".

ID of the basic control command

ID	4 bytes String
ALL	ADZZ
ID1	AD01
ID2	AD02
ID3	AD03
ID4	AD04
ID5	AD05
ID6	AD06
ID7	AD07
ID8	AD08
ID9	AD09
ID10	AD10
ID11	AD11
ID12	AD12
ID13	AD13
ID14	AD14
ID15	AD15
ID16	AD16
ID17	AD17
ID18	AD18
ID19	AD19
ID20	AD20
ID21	AD21
ID22	AD22

ID	4 bytes String
ID23	AD23
ID24	AD24
ID25	AD25
ID26	AD26
ID27	AD27
ID28	AD28
ID29	AD29
ID30	AD30
ID31	AD31
ID32	AD32
ID33	AD33
ID34	AD34
ID35	AD35
ID36	AD36
ID37	AD37
ID38	AD38
ID39	AD39
ID40	AD40
ID41	AD41
ID42	AD42
ID43	AD43
ID44	AD44
ID45	AD45

ID	4 bytes String
ID46	AD46
ID47	AD47
ID48	AD48
ID49	AD49
ID50	AD50
ID51	AD51
ID52	AD52
ID53	AD53
ID54	AD54
ID55	AD55
ID56	AD56
ID57	AD57
ID58	AD58
ID59	AD59
ID60	AD60
ID61	AD61
ID62	AD62
ID63	AD63
ID64	AD64
Group A	AD0A
Group B	AD0B
Group C	AD0C
Group D	AD0D

ID	4 bytes String
Group E	AD0E
Group F	AD0F
Group G	AD0G
Group H	AD0H
Group I	AD0I
Group J	AD0J
Group K	AD0K
Group L	AD0L
Group M	AD0M
Group N	AD0N
Group O	AD0O
Group P	AD0P
Group Q	AD0Q
Group R	AD0R
Group S	AD0S
Group T	AD0T
Group U	AD0U
Group V	AD0V
Group W	AD0W
Group X	AD0X
Group Y	AD0Y
Group Z	AD0Z

Response (Callback) of the basic control command

In the period when commands can be accepted

Differs according to each command.

In the period when commands cannot be accepted

Hexadecimal	02h	45h	52h	34h	30h	31h	03h
Character		E	R	4	0	1	

In case of the parameter error or REMOTE2 effective

Hexadecimal	02h	45h	52h	34h	30h	32h	03h
Character		E	R	4	0	2	

Attention:

- No command may be sent or received for 10 to 60 seconds after the lamp starts lighting. Try sending any command after that period has elapsed.
- When sending several commands, be sure to wait for a response from the projector, and send the next command after 0.5 seconds or more pass.
- It might take time by the time the response returns because the command is processed in the projector. Set the time-out to ten seconds or more.

Note:

- This projector will respond to the computer only in the following cases:
  If the sent ID coincides with the projector ID,
  VPS SYSTEM in RS232C settings of this projector is MASTER and the sent ID is ALL, or
  If Group (A-Z) of the sent ID coincides with GROUP in RS232C settings of this projector and GROUP in RS232C settings of this projector is MASTER.

2.Basic Control Command

Explanatory notes

○: Yes (Enable)

×: No (Disable)

2.1. Power ON (Lamp ON)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	50h	4Fh	4Eh	03h
Character		A	D	Z	Z	;	P	O	N	

■ Response (Callback)

In the period when the command can be accepted (This command in power-on condition is included)

Hexadecimal	02h	50h	4Fh	4Eh	03h
Character		P	O	N	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	△

Note:

- When you confirm whether to have succeeded in power-on, confirm it by QPW (query power condition) command after receiving the callback of PON command.
- REMOTE2 is given to priority. Calls back ER402 when the parameter is different from the setting of REMOTE2.

2.2. Power OFF (Standby)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	50h	4Fh	46h	03h
Character		A	D	Z	Z	;	P	O	F	

■ Response (Callback)

In the period when the command can be accepted (This command in power-off condition is included)

Hexadecimal	02h	50h	4Fh	46h	03h
Character		P	O	F	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	△

Note:

- When you confirm whether to have succeeded in power-off, confirm it by QPW (Query Power) command after receiving the callback of POF command.
- REMOTE2 is given to priority. Calls back ER402 when the parameter is different from the setting of REMOTE2.

2.3. FREEZE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	46h	5Ah	3Ah	*1	03h
Character		A	D	Z	Z	;	O	F	Z	:	*2	

■ Parameters (*1, *2)

	Freeze OFF	Freeze ON
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	46h	5Ah	3Ah	*1	03h
Character		O	F	Z	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	×	○	○	○

2.4. AUTO SETUP

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	53h	03h
Character		A	D	Z	Z	;	O	A	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	53h	03h
Character		O	A	S	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	×	○	○	○

Note:

- This command is acceptable only when analog RGB signals (except a part of high dot clock signals) or DVI signals are input. In other cases, ER401 is returned.

2.5. SHUTTER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	48h	3Ah	*1	03h
Character		A	D	Z	Z	;	O	S	H	:	*2	

■ Parameters (*1, *2)

	Shutter OFF	Shutter ON
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	48h	3Ah	*1	03h
Character		O	S	H	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	×

Note:

• REMOTE2 is given to priority. Calls back ER402 when the parameter is different from the setting of REMOTE2.

2.6. Input Select

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	49h	49h	53h	3Ah
Character		A	D	Z	Z	;	I	I	S	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	RGB1			RGB2		
Hexadecimal	52h	47h	31h	52h	47h	32h
Character	R	G	1	R	G	2
	VIDEO			S-VIDEO		
Hexadecimal	56h	49h	44h	53h	56h	44h
Character	V	I	D	S	V	D
	DVI					
Hexadecimal	44h	56h	49h			
Character	D	V	I			

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	49h	49h	53h	3Ah	*1	*3	*5	03h
Character		I	I	S	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	○	○	△

Note:

• REMOTE2 is given to priority. Calls back ER402 if the input select of REMOTE2 is available.

2.7. TEST PATTERN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	54h	53h	3Ah
Character		A	D	Z	Z	;	O	T	S	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

	OFF		White		Black		Flag		Window	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h	30h	35h
Character	0	0	0	1	0	2	0	3	0	5
	Reversed window		Focus		Colorbar		Window *			
Hexadecimal	30h	36h	30h	37h	30h	38h	31h	30h		
Character	0	6	0	7	0	8	1	0		

* The frame of 16:9 is displayed for PT-D5700 series, and the frame of 4:3 is displayed for PT-DW5100 series.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	54h	53h	3Ah	*1	*3	03h
Character		O	T	S	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	○	○	○

2.8. ON SCREEN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Fh	53h	3Ah	*1	03h
Character		A	D	Z	Z	;	O	O	S	:	*2	

■ Parameters (*1, *2)

	OSD OFF	OSD ON
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Fh	53h	3Ah	*1	03h
Character		O	O	S	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	○	○	○

2.9. MENU key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Dh	4Eh	03h
Character		A	D	Z	Z	;	O	M	N	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Dh	4Eh	03h
Character		O	M	N	

2.10. ENTER key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	45h	4Eh	03h
Character		A	D	Z	Z	;	O	E	N	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	45h	4Eh	03h
Character		O	E	N	

2.11. Up (↑) key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	55h	03h
Character		A	D	Z	Z	;	O	C	U	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	55h	03h
Character		O	C	U	

2.12. Down (↓) key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	44h	03h
Character		A	D	Z	Z	;	O	C	D	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	44h	03h
Character		O	C	D	

2.13. Left (←) key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	4Ch	03h
Character		A	D	Z	Z	;	O	C	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	4Ch	03h
Character		O	C	L	

2.14. Right (→) key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	52h	03h
Character		A	D	Z	Z	;	O	C	R	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	52h	03h
Character		O	C	R	

2.15. STD key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	54h	03h
Character		A	D	Z	Z	;	O	S	T	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	54h	03h
Character		O	S	T	

2.16. FUNC1 key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	46h	43h	31h	03h
Character		A	D	Z	Z	;	F	C	1	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	46h	43h	31h	03h
Character		F	C	1	

2.17. SYSTEM SEL key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	4Ch	03h
Character		A	D	Z	Z	;	O	S	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	4Ch	03h
Character		O	S	L	

2.18. ASPECT key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	31h	03h
Character		A	D	Z	Z	;	V	S	1	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	31h	03h
Character		V	S	1	

2.19. Numeric key

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Eh	4Bh	3Ah	*1	03h
Character		A	D	Z	Z	;	O	N	K	:	*2	

■ Parameters (*1, *2)

	0 key	1 key	2 key	3 key	4 key	5 key	6 key	7 key	8 key	9 key
Hexadecimal	30h	31h	32h	33h	34h	35h	36h	37h	38h	39h
Character	0	1	2	3	4	5	6	7	8	9

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Eh	4Bh	3Ah	*1	03h
Character		O	N	K	:	*2	

2.20. LAMP SELECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Ch	50h	4Dh	3Ah	*1	03h
Character		A	D	Z	Z	;	L	P	M	:	*2	

■ Parameters (*1, *2)

	DUAL	SINGLE	LAMP1	LAMP2
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Ch	50h	4Dh	3Ah	*1	03h
Character		L	P	M	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	○	○	○	×	○	○

Note:

• Calls back ER401 while the lamp has been switched.

2.21. Installation (FRONT/REAR & DESK/CEILING)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	49h	4Ch	3Ah	*1	03h
Character		A	D	Z	Z	;	O	I	L	:	*2	

■ Parameters (*1, *2)

	FRONT/DESK	REAR/DESK	FRONT/CEILING	REAR/CEILING
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	49h	4Ch	3Ah	*1	03h
Character		O	I	L	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	○	○	○	×	○	○

2.22. LAMP POWER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Ch	50h	3Ah	*1	03h
Character		A	D	Z	Z	;	O	L	P	:	*2	

■ Parameters (*1, *2)

	HIGH	LOW
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Ch	50h	3Ah	*1	03h
Character		O	L	P	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	○	○	○	×	○	○

2.23. SUB MEMORY CHANGE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	43h	53h	3Ah
Character		A	D	Z	Z	;	O	C	S	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

Sets 00 when the sub memory is not used.

	Not used		1		2		3		4	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	0	0	1	0	2	0	3	0	4
	5		6		7		8			
Hexadecimal	30h	35h	30h	36h	30h	37h	30h	38h		
Character	0	5	0	6	0	7	0	8		

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	43h	53h	3Ah	*1	*3	03h
Character		O	C	S	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.24. SUB MEMORY STORE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	45h	53h	3Ah
Character		A	D	Z	Z	;	O	E	S	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

	1		2		3		4	
Hexadecimal	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	1	0	2	0	3	0	4
	5		6		7		8	
Hexadecimal	30h	35h	30h	36h	30h	37h	30h	38h
Character	0	5	0	6	0	7	0	8

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	45h	53h	3Ah	*1	*3	03h
Character		O	E	S	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.25. SUB MEMORY DELETE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	44h	53h	3Ah
Character		A	D	Z	Z	;	O	D	S	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

	1		2		3		4	
Hexadecimal	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	1	0	2	0	3	0	4
	5		6		7		8	
Hexadecimal	30h	35h	30h	36h	30h	37h	30h	38h
Character	0	5	0	6	0	7	0	8

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	44h	53h	3Ah	*1	*3	03h
Character		O	D	S	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.26. PICTURE MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	50h	4Dh	3Ah
Character		A	D	Z	Z	;	V	P	M	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	DYNAMIC			GRAPHIC		
Hexadecimal	44h	59h	4Eh	47h	52h	41h
Character	D	Y	N	G	R	A
	STANDARD			CINEMA		
Hexadecimal	53h	54h	44h	43h	49h	4Eh
Character	S	T	D	C	I	N

	NATURAL		
Hexadecimal	4Eh	41h	54h
Character	N	A	T

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	50h	4Dh	3Ah	*1	*3	*5	03h
Character		V	P	M	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.27. COLOR

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	4Fh	3Ah
Character		A	D	Z	Z	;	V	C	O	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	-31			-30			-29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Fh	3Ah	*1	*3	*5	03h
Character		V	C	O	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.28. TINT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	4Eh	3Ah
Character		A	D	Z	Z	;	V	T	N	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	-31			-30			-29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	4Eh	3Ah	*1	*3	*5	03h
Character		V	T	N	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.29. COLOR TEMP.

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	54h	45h	3Ah
Character		A	D	Z	Z	;	O	T	E	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

	DEFAULT		USER		MIDDLE		HIGH	
Hexadecimal	31h	30h	30h	34h	30h	31h	30h	32h
Character	1	0	0	4	0	1	0	2

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	54h	45h	3Ah	*1	*3	03h
Character		O	T	E	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.30. W-BAL LOW R

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Fh	52h	3Ah
Character		A	D	Z	Z	;	V	O	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Fh	52h	3Ah	*1	*3	*5	03h
Character		V	O	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.31. W-BAL LOW G

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Fh	47h	3Ah
Character		A	D	Z	Z	;	V	O	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Fh	47h	3Ah	*1	*3	*5	03h
Character		V	O	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.32. W-BAL LOW B

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Fh	42h	3Ah
Character		A	D	Z	Z	;	V	O	B	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Fh	42h	3Ah	*1	*3	*5	03h
Character		V	O	B	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.33. W-BAL HIGH R

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	48h	52h	3Ah
Character		A	D	Z	Z	;	V	H	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	48h	52h	3Ah	*1	*3	*5	03h
Character		V	H	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.34. W-BAL HIGH G

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	48h	47h	3Ah
Character		A	D	Z	Z	;	V	H	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	48h	47h	3Ah	*1	*3	*5	03h
Character		V	H	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.35. W-BAL HIGH B

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	48h	42h	3Ah
Character		A	D	Z	Z	;	V	H	B	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	48h	42h	3Ah	*1	*3	*5	03h
Character		V	H	B	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.36. CONTRAST

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	4Eh	3Ah
Character		A	D	Z	Z	;	V	C	N	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	-31			-30			-29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Eh	3Ah	*1	*3	*5	03h
Character		V	C	N	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.37. BRIGHT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	42h	52h	3Ah
Character		A	D	Z	Z	;	V	B	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	-31			-30			-29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	42h	52h	3Ah	*1	*3	*5	03h
Character		V	B	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.38. WHITE GAIN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	57h	48h	3Ah
Character		A	D	Z	Z	;	V	W	H	:
Hexadecimal	*1	*3	03h							
Character	*2	*4								

■ Parameters (*1, *2, *3, *4)

	0		1		2	
Hexadecimal	30h	30h	30h	31h	30h	32h
Character	0	0	0	1	0	2
	8		9		10	
Hexadecimal	30h	38h	30h	39h	31h	30h
Character	0	8	0	9	1	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	57h	48h	3Ah	*1	*3	03h
Character		V	W	H	:	*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.39. SYSTEM DAYLIGHT VIEW

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	44h	4Ch	56h	49h	30h	3Dh	2Bh	*1	*3	*5
Character	D	L	V	I	0	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8, *9, *10)

	OFF					1					2				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
	3														
Hexadecimal	30h	30h	30h	30h	33h										
Character	0	0	0	0	3										

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	44h	4C	56h	49h	30h
Character		V	X	X	:	D	L	V	I	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.40. SHARPNESS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	52h	3Ah
Character		A	D	Z	Z	;	V	S	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	13			14			15		
Hexadecimal	30h	31h	33h	30h	31h	34h	30h	31h	35h
Character	0	1	3	0	1	4	0	1	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	52h	3Ah	*1	*3	*5	03h
Character		V	S	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.41. NR

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Eh	53h	3Ah
Character		A	D	Z	Z	;	V	N	S	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	OFF	1	2	3
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Eh	53h	3Ah	*1	03h
Character		V	N	S	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.42. AI

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	41h	49h	3Ah
Character		A	D	Z	Z	;	O	A	I	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	41h	49h	3Ah	*1	03h
Character		O	A	I	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.43. TV-SYSTEM

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	47h	3Ah
Character		A	D	Z	Z	;	V	S	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	AUTO						NTSC		
Hexadecimal	41h	54h	31h	41h	54h	32h	4Eh	54h	53h
Character	A	T	1	A	T	2	N	T	S
	NTSC4.43			PAL			PAL-M		
Hexadecimal	4Eh	34h	34h	50h	41h	4Ch	50h	41h	4Dh
Character	N	4	4	P	A	L	P	A	M
	PAL-N			SECAM			PAL60		
Hexadecimal	50h	41h	4Eh	53h	45h	43h	50h	36h	30h
Character	P	A	N	S	E	C	P	6	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	47h	3Ah	*1	*3	*5	03h
Character		V	S	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.44. POSITION H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	48h	3Ah
Character		A	D	Z	Z	;	V	T	H	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	48h	3Ah	*1	*3	*5	03h
Character		V	T	H	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

Note:

- It is possible to specify it within the range from the minimum value "0" to the maximum value "Number in which 1 is subtracted from number of total dots".

2.45. POSITION V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	56h	3Ah
Character		A	D	Z	Z	;	V	T	V	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	1				2				3			
Hexadecimal	30h	30h	30h	31h	30h	30h	30h	32h	30h	30h	30h	33h
Character	0	0	0	1	0	0	0	2	0	0	0	3
	4092				4093				4094			
Hexadecimal	34h	30h	39h	32h	34h	30h	39h	33h	34h	30h	39h	34h
Character	4	0	9	2	4	0	9	3	4	0	9	4

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	56h	3Ah	*1	*3	*5	03h
Character		V	T	V	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

Note:

- For signals other than interlace, it is possible to specify it within the range from the minimum value "0" to the maximum value "Number in which 1 is subtracted from number of total lines".
- For interlace signals, it is possible to specify it within the range from the minimum value "1" to the maximum value "Number in which 2 is subtracted from number of total lines".

2.46. ASPECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	53h	45h	3Ah
Character		A	D	Z	Z	;	V	S	E	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	AUTO	4:3	16:9	S4:3	HV FIT
Hexadecimal	30h	31h	32h	33h	36h
Character	0	1	2	3	6

	H FIT	V FIT	
Hexadecimal	39h	31h	30h
Character	9	1	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	53h	45h	3Ah	*1	03h
Character		V	S	E	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.47. ZOOM H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	5Ah	48h	3Ah
Character		A	D	Z	Z	;	O	Z	H	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	5Ah	48h	3Ah	*1	*3	*5	03h
Character		O	Z	H	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.48. ZOOM V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	5Ah	56h	3Ah
Character		A	D	Z	Z	;	O	Z	V	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	5Ah	56h	3Ah	*1	*3	*5	03h
Character		O	Z	V	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.49. CLOCK PHASE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	50h	3Ah
Character		A	D	Z	Z	;	V	C	P	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	29			30			31		
Hexadecimal	30h	32h	39h	30h	33h	30h	30h	33h	31h
Character	0	2	9	0	3	0	0	3	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	50h	3Ah	*1	*3	*5	03h
Character		V	C	P	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	○	○	×

2.50. TOTAL DOTS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	44h	3Ah
Character		A	D	Z	Z	;	V	T	D	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	330				331			
Hexadecimal	30h	33h	33h	30h	30h	33h	33h	31h
Character	0	3	3	0	0	3	3	1
	4095				4096			
Hexadecimal	34h	30h	39h	35h	34h	30h	39h	36h
Character	4	0	9	5	4	0	9	6

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	44h	3Ah	*1	*3	*5	*7	03h
Character		V	T	D	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	×	×	×

Note:

- The maximum value that can be actually set changes according to the input signal or the input resolution settings, etc.
- Calls back ER402 when the value of less than number in which 30 is added to number of display dots is specified.

2.51. DISPLAY DOTS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	44h	44h	3Ah
Character		A	D	Z	Z	;	V	D	D	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	4065				4066			
Hexadecimal	34h	30h	36h	35h	34h	30h	36h	36h
Character	4	0	6	5	4	0	6	6

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	44h	44h	3Ah	*1	*3	*5	*7	03h
Character		V	D	D	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	×	×	×

Note:

- The maximum value that can be actually set changes according to the input signal or the input resolution settings, etc.
- Calls back ER402 when the value of more than number in which 30 is subtracted from number of total dots is specified.

2.52. TOTAL LINES

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	54h	4Ch	3Ah
Character		A	D	Z	Z	;	V	T	L	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	306				307			
Hexadecimal	30h	33h	30h	36h	30h	33h	30h	37h
Character	0	3	0	6	0	3	0	7
	2046				2047			
Hexadecimal	24h	30h	34h	36h	32h	30h	34h	37h
Character	2	0	4	6	2	0	4	7

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	54h	4Ch	3Ah	*1	*3	*5	*7	03h
Character		V	T	L	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	×	×	×

Note:

- The maximum value that can be actually set changes according to the input signal or the input resolution settings, etc.
- Calls back ER402 when the value of less than number in which 6 is added to number of display lines is specified.

2.53. DISPLAY LINES

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	44h	4Ch	3Ah
Character		A	D	Z	Z	;	V	D	L	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	1199				1200			
Hexadecimal	21h	31h	39h	39h	31h	32h	30h	30h
Character	1	1	9	9	1	2	0	0

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	44h	4Ch	3Ah	*1	*3	*5	*7	03h
Character		V	D	L	:	*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	×	×	×

Note:

- The maximum value that can be actually set changes according to the input signal or the input resolution settings, etc.
- Calls back ER402 when the value of more than number in which 6 is subtracted from number of total lines is specified.

2.54. CLAMP POS.

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Ch	54h	3Ah
Character		A	D	Z	Z	;	V	L	T	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Ch	54h	3Ah	*1	*3	*5	03h
Character		V	L	T	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	○	○	×

2.55. KEYSTONE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Bh	53h	3Ah
Character		A	D	Z	Z	;	O	K	S	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	-127			-126			-125		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	+125			+126			+127		
Hexadecimal	32h	35h	32h	32h	35h	33h	32h	35h	34h
Character	2	5	2	2	5	3	2	5	4

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Bh	53h	3Ah	*1	*3	*5	03h
Character		O	K	S	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	○	○	○	×	○	○

2.56. LINEARITY

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	4Ch	49h	3Ah
Character		A	D	Z	Z	;	V	L	I	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	-127			-126			-125		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	+125			+126			+127		
Hexadecimal	32h	35h	32h	32h	35h	33h	32h	35h	34h
Character	2	5	2	2	5	3	2	5	4

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	4Ch	49h	3Ah	*1	*3	*5	03h
Character		V	L	I	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	○	○	○	×	○	○

Note:

• Calls back ER401 when 0 is set to KEYSTONE.

2.57. LANGUAGE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	4Ch	47h	3Ah
Character		A	D	Z	Z	;	O	L	G	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	English			German			French		
Hexadecimal	45h	4Eh	47h	44h	45h	55h	46h	52h	41h
Character	E	N	G	D	E	U	F	R	A
	Spanish			Italian			Japanese		
Hexadecimal	45h	53h	50h	49h	54h	4Ch	4Ah	50h	4Eh
Character	E	S	P	I	T	L	J	P	N
	Chinese			Russian			Korean		
Hexadecimal	43h	48h	49h	52h	55h	53h	4Bh	4Fh	52h
Character	C	H	I	R	U	S	K	O	R

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	4Ch	47h	3Ah	*1	*3	*5	03h
Character		O	L	G	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.58. SYSTEM

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	52h	46h	3Ah
Character		A	D	Z	Z	;	O	R	F	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	VGA60	YPBPR/YCBCR	AUTO	RGB-480P
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	52h	46h	3Ah	*1	03h
Character		O	R	F	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.59. BLANKING UPPER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	55h	3Ah
Character		A	D	Z	Z	;	D	B	U	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	381			382			383		
Hexadecimal	33h	38h	31h	33h	38h	32h	33h	38h	33h
Character	3	8	1	3	8	2	3	8	3

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	55h	3Ah	*1	*3	*5	03h
Character		D	B	U	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.60. BLANKING LOWER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	42h	3Ah
Character		A	D	Z	Z	;	D	B	B	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	381			382			383		
Hexadecimal	33h	38h	31h	33h	38h	32h	33h	38h	33h
Character	3	8	1	3	8	2	3	8	3

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	42h	3Ah	*1	*3	*5	03h
Character		D	B	B	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.61. BLANKING RIGHT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	52h	3Ah
Character		A	D	Z	Z	;	D	B	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

PT-D5700*/D5700L*

	509			510			511		
Hexadecimal	35h	30h	39h	35h	31h	30h	35h	31h	31h
Character	5	0	9	5	1	0	5	1	1

PT-DW5100*/DW5100L*

	637			638			639		
Hexadecimal	36h	33h	37h	36h	33h	38h	36h	33h	39h
Character	6	3	7	6	3	8	6	3	9

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	52h	3Ah	*1	*3	*5	03h
Character		D	B	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.62. BLANKING LEFT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	4Ch	3Ah
Character		A	D	Z	Z	;	D	B	L	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

PT-D5700*/D5700L**

	509			510			511		
Hexadecimal	35h	30h	39h	35h	31h	30h	35h	31h	31h
Character	5	0	9	5	1	0	5	1	1

PT-DW5100*/ DW5100L*

	637			638			639		
Hexadecimal	36h	33h	37h	36h	33h	38h	36h	33h	39h
Character	6	3	7	6	3	8	6	3	9

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	4Ch	3Ah	*1	*3	*5	03h
Character		D	B	L	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.63. RASTER POSITION H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	52h	48h	3Ah
Character		A	D	Z	Z	;	V	R	H	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	-2048				-2047			
Hexadecimal	34h	39h	39h	39h	32h	39h	35h	33h
Character	2	9	5	2	2	9	5	3
	+2046				+2047			
Hexadecimal	37h	30h	34h	36h	37h	30h	34h	37h
Character	7	0	4	6	7	0	4	7

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	52h	48h	3Ah	*1	*3	*5	03h
Character		V	R	H	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

2.64. RASTER POSITION V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	52h	56h	3Ah
Character		A	D	Z	Z	;	V	R	V	:
Hexadecimal	*1	*3	*5	*7	03h					
Character	*2	*4	*6	*8						

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	-2048				-2047			
Hexadecimal	34h	39h	39h	39h	32h	39h	35h	33h
Character	2	9	5	2	2	9	5	3
	+2046				+2047			
Hexadecimal	37h	30h	34h	36h	37h	30h	34h	37h
Character	7	0	4	6	7	0	4	7

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	52h	56h	3Ah	*1	*3	*5	03h
Character		V	R	V	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

Note:

• The maximum value that can be set changes according to settings of the input signal, the aspect and the zoom.

2.65. Edge Blending

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	45h	44h	42h	49h	30h	3Dh	2Bh	*1	*3	*5
Character	E	D	B	I	0	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8, *9, *10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	45h	44h	42h	49h	30h
Character		V	X	X	:	E	D	B	I	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.66. Color Matching

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah
Character		A	D	Z	Z	;	V	X	X	:
Hexadecimal	44h	4Dh	41h	49h	30h	3Dh	2Bh	*1	*3	*5
Character	C	M	A	I	0	=	+	*2	*4	*6
Hexadecimal	*7	*9	03h							
Character	*8	*10								

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8, *9, *10)

	OFF					3COLORS					7COLORS				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2

	MEASURE				
Hexadecimal	30h	30h	30h	30h	33h
Character	0	0	0	0	3

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	44h	4Dh	41h	49h	30h
Character		V	X	X	:	C	M	A	I	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.67. Color Correction

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	4Dh	3Ah
Character		A	D	Z	Z	;	V	C	M	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	OFF	USER
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	4Dh	3Ah	*1	03h
Character		V	C	M	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.68. XGA MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	58h	47h	3Ah
Character		A	D	Z	Z	;	O	X	G	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	XGA	WXGA
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	58h	47h	3Ah	*1	03h
Character		O	X	G	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.69. SXGA MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	58h	3Ah
Character		A	D	Z	Z	;	O	S	X	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	SXGA	SXGA+
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	4Fh	53h	58h	3Ah	*1	03h
Character		O	S	X	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	×	○	○

2.70. CONTRAST MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	43h	52h	3Ah
Character		A	D	Z	Z	;	V	C	R	:
Hexadecimal	*1	*3	*5	03h						
Character	*2	*4	*6							

■ Parameters (*1, *2, *3, *4, *5, *6)

	NORMAL	HIGH
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	43h	52h	3Ah	*1	*3	*5	03h
Character		V	C	R	:	*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.71. EDID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	44h	42h	4Ch	3Ah
Character		A	D	Z	Z	;	O	E	D	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	EDID1	EDID2 (PC)
Hexadecimal	31h	32h
Character	1	2

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	42h	4Ch	3Ah	*1	03h
Character		O	E	D	:	*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.72. DVI Signal Level

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	56h	58h	58h	3Ah	44h	56h
Character		A	D	Z	Z	;	V	X	X	:	D	V
Hexadecimal	49h	49h	30h	3Dh	2Bh	*1	*3	*5	*7	*9	03h	
Character	I	I	0	=	+	*2	*4	*6	*8	*10		

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8, *9, *10)

	0-255:PC					16-235				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	56h	58h	58h	3Ah	44h	56h	49h	49h	30h
Character		V	X	X	:	D	V	I	I	0
Hexadecimal	3Dh	2Bh	*1	*3	*5	*7	*9	03h		
Character	=	+	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	○	○	×	○	○

2.73. Set Date

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	54h	53h	44h	3Ah
Character		A	D	Z	Z	;	T	S	D	:
Hexadecimal	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w	03h
Character										

■ Parameters
*y1 - *y4: Year (4 digits)
*m1, *m2 Month (2 digits)
*d1, *d2: Day (2 digits)
*w: Day of the week (Mon = 1, Tue = 2, Wed = 3, Thu = 4, Fri = 5, Sat = 6, Sun = 7)
Set it by UTC (Coordinated Universal Time).
Example: Friday, June 29, 2007

	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w
Hexadecimal	32h	30h	30h	37h	30h	36h	32h	39h	35h
Character	2	0	0	7	0	6	2	9	5

■ Response (Callback)
In the period when the command can be accepted

Hexadecimal	02h	54h	53h	44h	3Ah	*y1	*y2	
Character		T	S	D	:			
Hexadecimal	*y3	*y4	*m1	*m2	*d1	*d2	*w	03h
Character								

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	○	○	○	×	○	○

2.74. Set Time

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	54h	53h	54h	3Ah
Character		A	D	Z	Z	;	T	S	T	:
Hexadecimal	*h1	*h2	*m1	*m2	*s1	*s2	03h			
Character										

■ Parameters
*h1, *h2: Hour (2 digits)
*m1, *m2 : Minute (2 digits)
*s1, *s2 : Second (2 digits)
Set it by UTC (Coordinated Universal Time).
Example: 3 seconds at 3:45 p.m.

	*h1	*h2	*m1	*m2	*s1	*s2
Hexadecimal	31h	35h	34h	35h	30h	33h
Character	1	5	4	5	0	3

■ Response (Callback)
In the period when the command can be accepted

Hexadecimal	02h	54h	53h	54h	3Ah		
Character		T	S	T	:		
Hexadecimal	*h1	*h2	*m1	*m2	*s1	*s2	03h
Character							

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	○	○	○	×	○	○

2.75. Query Power

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	57h	03h
Character		A	D	Z	Z	;	Q	P	W	

■ Response (Callback)
OFF

Hexadecimal	02h	30h	30h	31h	03h
Character		0	0	0	

ON

Hexadecimal	02h	30h	30h	31h	03h
Character		0	0	1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.76. Query FREEZE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	46h	5Ah	03h
Character		A	D	Z	Z	;	Q	F	Z	

■ Response (Callback)

OFF

Hexadecimal	02h	31h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

2.77. Query SHUTTER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	48h	03h
Character		A	D	Z	Z	;	Q	S	H	

■ Response (Callback)

OFF

Hexadecimal	02h	31h	03h
Character		0	

ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

2.78. Query Input Select

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	49h	4Eh	03h
Character		A	D	Z	Z	;	Q	I	N	

■ Response (Callback)

RGB1

Hexadecimal	02h	52h	47h	31h	03h
Character		R	G	1	

RGB2

Hexadecimal	02h	52h	47h	32h	03h
Character		R	G	2	

VIDEO

Hexadecimal	02h	56h	49h	44h	03h
Character		V	I	D	

S- VIDEO

Hexadecimal	02h	53h	56h	44h	03h
Character		S	V	D	

DVI

Hexadecimal	02h	44h	56h	49h	03h
Character		D	V	I	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

2.79. Query TEST PATTERN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	53h	03h
Character		A	D	Z	Z	;	Q	T	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

■ Parameters (*1, *2, *3, *4)

	OFF		White		Black		Flag		Window	
Hexadecimal	30h	30h	30h	31h	30h	32h	30h	33h	30h	35h
Character	0	0	0	1	0	2	0	3	0	5
	Reversed window		Focus		Colorbar		Window *			
Hexadecimal	30h	36h	30h	37h	30h	38h	31h	30h		
Character	0	6	0	7	0	8	1	0		

* The frame of 16:9 is displayed for PT-D5700 series, and the frame of 4:3 is displayed for PT-DW5100 series.

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

2.80. Query ON SCREEN

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	53h	03h
Character		A	D	Z	Z	;	Q	O	S	

■ Response (Callback)

OSD OFF

Hexadecimal	02h	31h	03h
Character		0	

OSD ON

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.81. Query PICTURE MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	50h	4Dh	03h
Character		A	D	Z	Z	;	Q	P	M	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	DYNAMIC			GRAPHIC		
Hexadecimal	44h	59h	4Eh	47h	52h	41h
Character	D	Y	N	G	R	A

	STANDARD			CINEMA			NATURAL		
Hexadecimal	53h	54h	44h	43h	49h	4Eh	4Eh	41h	54h
Character	S	T	D	C	I	N	N	A	T

2.82. Query COLOR

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	43h	03h
Character		A	D	Z	Z	;	Q	V	C	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	-31			-30			-29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.83. Query TINT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	54h	03h
Character		A	D	Z	Z	;	Q	V	T	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	-31			-30			-29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.84. Query COLOR TEMP.

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	45h	03h
Character		A	D	Z	Z	;	Q	T	E	

■ Response (Callback)

DEFAULT

Hexadecimal	02h	31h	30h	03h
Character		1	0	

USER

Hexadecimal	02h	34h	03h
Character		4	

MIDDLE

Hexadecimal	02h	31h	03h
Character		1	

HIGH

Hexadecimal	02h	32h	03h
Character		2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

2.85. Query W-BAL LOW R

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	52h	03h
Character		A	D	Z	Z	;	Q	O	R	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.86. Query W-BAL LOW G

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	47h	03h
Character		A	D	Z	Z	;	Q	O	G	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.87. Query W-BAL LOW B

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Fh	42h	03h
Character		A	D	Z	Z	;	Q	O	B	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	61			62			63		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.88. Query W-BAL HIGH R

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	48h	52h	03h
Character		A	D	Z	Z	;	Q	H	R	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

2.89. Query W-BAL HIGH G

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	48h	47h	03h
Character		A	D	Z	Z	;	Q	H	G	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

2.90. Query W-BAL HIGH B

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	48h	42h	03h
Character		A	D	Z	Z	;	Q	H	B	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

2.91. Query CONTRAST

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	52h	03h
Character		A	D	Z	Z	;	Q	V	R	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	-31			-30			-29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.92. Query BRIGHT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	42h	03h
Character		A	D	Z	Z	;	Q	V	B	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	-31			-30			-29		
Hexadecimal	30h	30h	31h	30h	30h	32h	30h	30h	33h
Character	0	0	1	0	0	2	0	0	3
	+29			+30			+31		
Hexadecimal	30h	36h	31h	30h	36h	32h	30h	36h	33h
Character	0	6	1	0	6	2	0	6	3

2.93. Query White Gain

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	57h	48h	03h
Character		A	D	Z	Z	;	Q	W	H	:

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4)

	0		1		2	
Hexadecimal	30h	30h	30h	31h	30h	32h
Character	0	0	0	1	0	2
	8		9		10	
Hexadecimal	30h	38h	30h	39h	31h	30h
Character	0	8	0	9	1	0

2.94. Query System Daylight View

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	88h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	44h	4Ch	56h	49h	30h	03h				
Character	D	L	V	I	0					

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	4Ch	56h	49h	30h	3Dh	2Bh
Character		D	L	V	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8, *9, *10)

	OFF					1					2				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
	3														
Hexadecimal	30h	30h	30h	30h	33h										
Character	0	0	0	0	3										

2.95. Query SHARPNESS

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	53h	03h
Character		A	D	Z	Z	;	Q	V	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	13			14			15		
Hexadecimal	30h	31h	33h	30h	31h	34h	30h	31h	35h
Character	0	1	3	0	1	4	0	1	5

2.96. Query NR

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Eh	53h	03h
Character		A	D	Z	Z	;	Q	N	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2)

	OFF	1	2	3
Hexadecimal	30h	31h	32h	33h
Character	0	1	2	3

2.97. Query AI

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	41h	49h	03h
Character		A	D	Z	Z	;	Q	A	I	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2)

	OFF	ON
Hexadecimal	30h	31h
Character	0	1

2.98. Query TV-SYSTEM

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	47h	03h
Character		A	D	Z	Z	;	Q	S	G	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	AUTO			NTSC					
Hexadecimal	41h	54h	31h	4Eh	54h	53h			
Character	A	T	1	N	T	S			
	NTSC4.43			PAL			PAL-M		
Hexadecimal	4Eh	34h	34h	50h	41h	4Ch	50h	41h	4Dh
Character	N	4	4	P	A	L	P	A	M
	PAL-N			SECAM			PAL60		
Hexadecimal	50h	41h	4Eh	53h	45h	43h	50h	36h	30h
Character	P	A	N	S	E	C	P	6	0

2.99. Query POSITION H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	48h	03h
Character		A	D	Z	Z	;	Q	T	H	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	0				1				2			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	1	0	0	0	2
	4093				4094				4095			
Hexadecimal	34h	30h	39h	33h	34h	30h	39h	34h	34h	30h	39h	35h
Character	4	0	9	3	4	0	9	4	4	0	9	5

2.100. Query POSITION V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	56h	03h
Character		A	D	Z	Z	;	Q	T	V	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	1				2				3			
Hexadecimal	30h	30h	30h	31h	30h	30h	30h	32h	30h	30h	30h	33h
Character	0	0	0	1	0	0	0	2	0	0	0	3
	4092				4093				4094			
Hexadecimal	34h	30h	39h	32h	34h	30h	39h	33h	34h	30h	39h	34h
Character	4	0	9	2	4	0	9	3	4	0	9	4

2.101. Query RASTER POSITION H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	52h	48h	03h
Character		A	D	Z	Z	;	Q	R	H	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	-2048				-2047			
Hexadecimal	32h	39h	35h	32h	32h	39h	35h	33h
Character	2	9	5	2	2	9	5	3
	+2046				+2047			
Hexadecimal	37h	30h	34h	36h	37h	30h	34h	37h
Character	7	0	4	6	7	0	4	7

2.102. Query RASTER POSITION V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	52h	56h	03h
Character		A	D	Z	Z	;	Q	R	V	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	-2048				-2047			
Hexadecimal	32h	39h	35h	32h	32h	39h	35h	33h
Character	2	9	5	2	2	9	5	3
	+2046				+2047			
Hexadecimal	37h	30h	34h	36h	37h	30h	34h	37h
Character	7	0	4	6	7	0	4	7

2.103. Query ASPECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53 h	45h	03h
Character		A	D	Z	Z	;	Q	S	E	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2)

	AUTO	4:3	16:9	S4:3	HV FIT	H FIT	V FIT	
Hexadecimal	30h	31h	32h	33h	36h	39h	31h	30h
Character	0	1	2	3	6	9	1	0

2.104. Query ZOOM H

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	5Ah	48h	03h
Character		A	D	Z	Z	;	Q	Z	H	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

2.105. Query ZOOM V

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	5Ah	56h	03h
Character		A	D	Z	Z	;	Q	Z	V	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	50			51			52		
Hexadecimal	30h	35h	30h	30h	35h	31h	30h	35h	32h
Character	0	5	0	0	5	1	0	5	2
	997			998			999		
Hexadecimal	39h	39h	37h	39h	39h	38h	39h	39h	39h
Character	9	9	7	9	9	8	9	9	9

2.106. Query CLOCK PHASE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	43h	50h	03h
Character		A	D	Z	Z	;	Q	C	P	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	○	○	×

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	29			30			31		
Hexadecimal	30h	32h	39h	30h	33h	30h	30h	33h	31h
Character	0	2	9	0	3	0	0	3	1

2.107. Query TOTAL DOTS / INPUT RESOLUTION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	44h	03h
Character		A	D	Z	Z	;	Q	T	D	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	×	×	×

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	330				331			
Hexadecimal	30h	33h	33h	30h	30h	33h	33h	31h
Character	0	3	3	0	0	3	3	1
	4095				4096			
Hexadecimal	34h	30h	39h	35h	34h	30h	39h	36h
Character	4	0	9	5	4	0	9	6

2.108. Query DISPLAY DOTS / INPUT RESOLUTION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	44h	44h	03h
Character		A	D	Z	Z	;	Q	D	D	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	×	×	×

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	4065				4066			
Hexadecimal	34h	30h	36h	35h	34h	30h	36h	36h
Character	4	0	6	5	4	0	6	6

2.109. Query TOTAL LINES / INPUT RESOLUTION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	4Ch	03h
Character		A	D	Z	Z	;	Q	T	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	×	×	×

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	306				307			
Hexadecimal	30h	33h	30h	36h	30h	33h	30h	37h
Character	0	3	0	6	0	3	0	7
	2046				2047			
Hexadecimal	32h	30h	34h	36h	32h	30h	34h	37h
Character	2	0	4	6	2	0	4	7

2.110. Query DISPLAY LINES / INPUT RESOLUTION

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	44h	4Ch	03h
Character		A	D	Z	Z	;	Q	D	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	×	×	×

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

	300				301			
Hexadecimal	30h	33h	30h	30h	30h	33h	30h	31h
Character	0	3	0	0	0	3	0	1
	1199				1200			
Hexadecimal	31h	31h	39h	39h	31h	32h	30h	30h
Character	1	1	9	9	1	2	0	0

2.111. Query BLANKING UPPER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	55h	03h
Character		A	D	Z	Z	;	Q	L	U	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	381			382			383		
Hexadecimal	33h	38h	31h	33h	38h	32h	33h	38h	33h
Character	3	8	1	3	8	2	3	8	3

2.112. Query BLANKING LOWER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	42h	03h
Character		A	D	Z	Z	;	Q	L	B	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	381			382			383		
Hexadecimal	33h	38h	31h	33h	38h	32h	33h	38h	33h
Character	3	8	1	3	8	2	3	8	3

2.113. Query BLANKING RIGHT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	52h	03h
Character		A	D	Z	Z	;	Q	L	R	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

PT-D5700*/D5700L*

	509			510			511		
Hexadecimal	35h	30h	39h	35h	31h	30h	35h	31h	31h
Character	5	0	9	5	1	0	5	1	1

PT-DW5100*/DW5100L*

	637			638			639		
Hexadecimal	36h	33h	37h	36h	33h	38h	36h	33h	39h
Character	6	3	7	6	3	8	6	3	9

2.114. Query BLANKING LEFT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	4Ch	03h
Character		A	D	Z	Z	;	Q	L	L	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2

PT-D5700*/D5700L*

	509			510			511		
Hexadecimal	35h	30h	39h	35h	31h	30h	35h	31h	31h
Character	5	0	9	5	1	0	5	1	1

PT-DW5100*/DW5100L*

	637			638			639		
Hexadecimal	36h	33h	37h	36h	33h	38h	36h	33h	39h
Character	6	3	7	6	3	8	6	3	9

2.115. Query Edge Blending

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	45h	44h	42h	49h	30h	03h				
Character	E	D	B	I	0					

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	45h	44h	42h	49h	30h	3Dh	2Bh
Character		E	D	B	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8, *9, *10)

	OFF					ON				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

2.116. Query Color Matching

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	58h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	43h	4D4h	41h	49h	30h	03h				
Character	C	M	A	I	0					

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	43h	4D4h	41h	49h	30h	3Dh	2Bh
Character		C	M	A	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8, *9, *10)

	OFF					3COLORS					7COLORS				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h	30h	30h	30h	30h	32h
Character	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2
	MEASURE														
Hexadecimal	30h	30h	30h	30h	33h										
Character	0	0	0	0	3										

2.117. Query Color Correction

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Dh	43h	03h
Character		A	D	Z	Z	;	Q	M	C	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

■ Parameters (*1, *2)

	OFF	USER
Hexadecimal	30h	31h
Character	0	1

2.118. Query XGA MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	58h	47h	03h
Character		A	D	Z	Z	;	Q	X	G	

■ Parameters (*1, *2)

	XGA	WXGA
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

2.119. Query SVGA MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	58h	03h
Character		A	D	Z	Z	;	Q	S	X	

■ Parameters (*1, *2)

	SXGA	SXGA+
Hexadecimal	30h	31h
Character	0	1

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

2.120. Query CONTRAST MODE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	43h	52h	03h
Character		A	D	Z	Z	;	Q	C	R	

■ Response (Callback)

In the period when the command can be accepted

NORMAL

Hexadecimal	02h	30h	03h
Character		0	

HIGH

Hexadecimal	02h	31h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

2.121. Query CLAMP POS.

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	54h	03h
Character		A	D	Z	Z	;	Q	L	T	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○
VIDEO	S-VIDEO	RGB1	RGB2	YP_BP_R1	YP_BP_R2	DVI
×	×	○	○	○	○	×

■ Parameters (*1, *2, *3, *4, *5, *6)

	0			1			2		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	253			254			255		
Hexadecimal	32h	35h	33h	32h	35h	34h	32h	35h	35h
Character	2	5	3	2	5	4	2	5	5

2.122. Query KEYSTONE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Bh	53h	03h
Character		A	D	Z	Z	;	Q	K	S	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	-127			-126			-125		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	+125			+126			+127		
Hexadecimal	32h	35h	32h	32h	35h	33h	32h	35h	34h
Character	2	5	2	2	5	3	2	5	4

2.123. Query LINEARITY

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	49h	03h
Character		A	D	Z	Z	;	Q	L	I	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	-127			-126			-125		
Hexadecimal	30h	30h	30h	30h	30h	31h	30h	30h	32h
Character	0	0	0	0	0	1	0	0	2
	+125			+126			+127		
Hexadecimal	32h	35h	32h	32h	35h	33h	32h	35h	34h
Character	2	5	2	2	5	3	2	5	4

2.124. Query LANGUAGE

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	47h	03h
Character		A	D	Z	Z	;	Q	L	G	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	03h
Character		*2	*4	*6	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6)

	English			German			French		
Hexadecimal	45h	4Eh	47h	44h	45h	55h	46h	52h	41h
Character	E	N	G	D	E	U	F	R	A
	Spanish			Italian			Japanese		
Hexadecimal	45h	53h	50h	49h	54h	4Ch	4Ah	50h	4Eh
Character	E	S	P	I	T	L	J	P	N
	Chinese			Russian			Korean		
Hexadecimal	43h	48h	49h	52h	55h	53h	4Bh	4Fh	52h
Character	C	H	I	R	U	S	K	O	R

2.125. Query Installation (FRONT/REAR & DESK/CEILING)

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	50h	03h
Character		A	D	Z	Z	;	Q	S	P	

■ Response (Callback)

FRONT/DESK

Hexadecimal	02h	30h	03h
Character		0	

REAR/DESK

Hexadecimal	02h	34h	03h
Character		1	

FRONT/CEILING

Hexadecimal	02h	31h	03h
Character		2	

REAR/CEILING

Hexadecimal	02h	32h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.126. Query SET RUNTIME

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	54h	03h
Character		A	D	Z	Z	;	Q	S	T	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	*9	03h
Character		*2	*4	*6	*8	*10	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8, *9, *10)

	0					1				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1
	99998					99999				
Hexadecimal	39h	39h	39h	39h	38h	39h	39h	39h	39h	39h
Character	9	9	9	9	8	9	9	9	9	9

2.127. Query LAMP1 ON

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	24h	4Ch	3Ah
Character		A	D	Z	Z	;	Q	$	L	:
Hexadecimal	31h	03h								
Character	1									

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

When the lamp is Normal type

Answered time = (Lamp ON time in HIGH)+((Lamp ON time in LOW)×3÷4)

When the lamp is Long-life type

Answered time = Lamp ON time

	0 h				1 h			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	1
	9998 h				9999 h			
Hexadecimal	39h	39h	39h	38h	39h	39h	39h	39h
Character	9	9	9	8	9	9	9	9

2.128. Query LAMP2 ON

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	24h	4Ch	3Ah
Character		A	D	Z	Z	;	Q	$	L	:
Hexadecimal	32h	03h								
Character	2									

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	*5	*7	03h
Character		*2	*4	*6	*8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8)

When the lamp is Normal type

Answered time = (Lamp ON time in HIGH)+((Lamp ON time in LOW)×3÷4)

When the lamp is Long-life type

Answered time = Lamp ON time

	0 h				1 h			
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	1
	9998 h				9999 h			
Hexadecimal	39h	39h	39h	38h	39h	39h	39h	39h
Character	9	9	9	8	9	9	9	9

2.129. Query LAMP SELECT

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	53h	4Ch	03h
Character		A	D	Z	Z	;	Q	S	L	

■ Response (Callback)

DUAL

Hexadecimal	02h	30h	03h
Character		0	

SINGLE

Hexadecimal	02h	31h	03h
Character		1	

LAMP1

Hexadecimal	02h	31h	03h
Character		2	

LAMP2

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.130. Query Lamp Status

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	24h	53h	03h
Character		A	D	Z	Z	;	Q	$	S	

■ Response (Callback)

Lamp OFF

Hexadecimal	02h	30h	03h
Character		0	

In turning ON

Hexadecimal	02h	31h	03h
Character		1	

Lamp ON

Hexadecimal	02h	32h	03h
Character		2	

In turning OFF (Cooling)

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.131. Query LAMP POWER

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	50h	03h
Character		A	D	Z	Z	;	Q	L	P	

■ Response (Callback)

When the lamp is Normal type and HIGH setting

Hexadecimal	02h	30h	03h
Character		0	

When the lamp is Normal type and LOW setting

Hexadecimal	02h	31h	03h
Character		1	

When the lamp is Long-life type

Hexadecimal	02h	32h	03h
Character		2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.132. Query VPS SYSTEM

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	59h	03h
Character		A	D	Z	Z	;	Q	V	Y	

■ Response (Callback)

MASTER

Hexadecimal	02h	31h	03h
Character		1	

SLAVE

Hexadecimal	02h	30h	03h
Character		0	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.133. Query Temperature

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	54h	4Dh	3Ah
Character		A	D	Z	Z	;	Q	T	M	:
Hexadecimal	*1	03h								
Character	*2									

■ Parameters (*1, *2)

	Intake air temperature	Lamp surroundings temperature	Optical module temperature
Hexadecimal	30h	31h	32h
Character	0	1	2

■ Response (Callback)

For -20 °C

		Celsius					Fahrenheit				
Hexadecimal	02h	2Dh	30h	32h	30h	2Fh	2Dh	30h	30h	34h	03h
Character		-	0	2	0	/	-	0	0	4	

For 120 °C

		Celsius					Fahrenheit				
Hexadecimal	02h	30h	31h	32h	30h	2Fh	30h	32h	34h	38h	03h
Character		0	1	2	0	/	0	2	4	8	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.134. Query FAN CONTROL1

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	46h	4Dh	03h
Character		A	D	Z	Z	;	Q	F	M	

■ Response (Callback)

NORMAL

Hexadecimal	02h	30h	03h
Character		0	

HIGHLAND

Hexadecimal	02h	32h	03h
Character		1	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.135. Query FUNC1

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	46h	43h	03h
Character		A	D	Z	Z	;	Q	F	C	

■ Response (Callback)

SYSTEM SELECTOR

Hexadecimal	02h	31h	03h
Character		1	

SYSTEM DAYLIGHT VIEW

Hexadecimal	02h	32h	03h
Character		2	

SUB MEMORY LIST

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.136. Query Usage Condition of Sub Memory

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	4Fh	53h	42h	03h
Character		A	D	Z	Z	;	O	S	B	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	*3	03h
Character		*2	*4	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
×	×	×	○	○	○	○

■ Parameters (*1, *2, *3, *4)

Calls back ER401 when the sub memory is not used.

	1		2		3		4	
Hexadecimal	30h	31h	30h	32h	30h	33h	30h	34h
Character	0	1	0	2	0	3	0	4
	5		6		7		8	
Hexadecimal	30h	35h	30h	36h	30h	37h	30h	38h
Character	0	5	0	6	0	7	0	8

2.137. Query Date

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	47h	44h	03h
Character		A	D	Z	Z	;	Q	G	D	

■ Response (Callback)

Hexadecimal	02h	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w	03h
Character											

■ Parameters

*y1 - *y4: Year (4 digits)
*m1, *m2 Month (2 digits)
*d1, *d2: Day (2 digits)
*w: Day of the week (Mon = 1, Tue = 2, Wed = 3, Thu = 4, Fri = 5, Sat = 6, Sun = 7)
Set it by UTC (Coordinated Universal Time).
Example: Friday, June 29, 2007

	*y1	*y2	*y3	*y4	*m1	*m2	*d1	*D2	*w
Hexadecimal	32h	30h	30h	37h	30h	36h	32h	39h	35h
Character	2	0	0	7	0	6	2	9	5

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.138. Query Time

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	47h	54h	03h
Character		A	D	Z	Z	;	Q	G	T	

■ Response (Callback)

Hexadecimal	02h	*h1	*h2	*m1	*m2	*s1	*s2	03h
Character								

■ Parameters

*h1, *h2: Hour (2 digits)
*m1, *m2 : Minute (2 digits)
*s1, *s2 : Second (2 digits)
Set it by UTC (Coordinated Universal Time).
Example: 3 seconds at 3:45 p.m.

	*h1	*h2	*m1	*m2	*s1	*s2
Hexadecimal	31h	35h	34h	35h	30h	33h
Character	1	5	4	5	0	3

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.139. Query Model (Series) Name

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	49h	44h	03h
Character		A	D	Z	Z	;	Q	I	D	

■ Response (Callback)

In the period when the command can be accepted

PT-D5700*/D5700L*

Hexadecimal	02h	44h	35h	37h	30h	30h	03h
Character		D	5	7	0	0	

PT-DW5100*/DW5100L*

Hexadecimal	02h	44h	57h	35h	31h	30h	30h	03h
Character		D	W	5	1	0	0	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.140. Query Lamp ON Status

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	4Ch	53h	03h
Character		A	D	Z	Z	;	Q	L	S	

■ Response (Callback)

Lamp 1 OFF, Lamp 2 OFF

Hexadecimal	02h	30h	03h
Character		0	

Lamp 1 ON, Lamp 2 OFF

Hexadecimal	02h	31h	03h
Character		1	

Lamp 1 OFF, Lamp 2 ON

Hexadecimal	02h	32h	03h
Character		2	

Lamp 1 ON, Lamp 2 ON

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

2.141. Query System Settings

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	52h	46h	03h
Character		A	D	Z	Z	;	Q	R	F	

■ Response (Callback)

VGA60

Hexadecimal	02h	30h	03h
Character		0	

YP_BP_R /YC_BC_R

Hexadecimal	02h	31h	03h
Character		1	

AUTO

Hexadecimal	02h	32h	03h
Character		2	

RGB-480P

Hexadecimal	02h	33h	03h
Character		3	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	×	○	○	○	○

2.142. Query EDID

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	42h	4Ch	03h
Character		A	D	Z	Z	;	Q	E	D	

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*1	03h
Character		*2	

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

■ Parameters (*1, *2)

	EDID1	EDID2 (PC)
Hexadecimal	31h	32h
Character	1	2

2.143. Query DVI Signal Level

Hexadecimal	02h	41h	44h	5Ah	5Ah	3Bh	51h	56h	48h	3Ah
Character		A	D	Z	Z	;	Q	V	X	:
Hexadecimal	44h	56h	49h	49h	30h	03h				
Character	D	V	I	I	0					

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	44h	56h	49h	49h	30h	3Dh	2Bh
Character		D	V	I	I	0	=	+
Hexadecimal	*1	*3	*5	*7	*9	03h		
Character	*2	*4	*6	*8	*10			

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

■ Parameters (*1, *2, *3, *4, *5, *6, *7, *8, *9, *10)

	0-255:PC					16-235				
Hexadecimal	30h	30h	30h	30h	30h	30h	30h	30h	30h	31h
Character	0	0	0	0	0	0	0	0	0	1

3. Extended Control Command

Start (STX)	ID	Command	Parameters	End (ETX)
1 byte	1 byte	1 byte or 2 bytes	Undefined length	1 byte

ID of the extended control command

ID	Hexadecimal (1 byte)
All	00
ID1	01
ID2	02
ID3	03
ID4	04
ID5	05
ID6	06
ID7	07
ID8	08
ID9	09
ID10	0A
ID11	0B
ID12	0C
ID13	0D
ID14	0E
ID15	0F
ID16	10
ID17	11
ID18	12
ID19	13
ID20	14
ID21	15
ID22	16

ID	Hexadecimal (1 byte)
ID23	17
ID24	18
ID25	19
ID26	1A
ID27	1B
ID28	1C
ID29	1D
ID30	1E
ID31	1F
ID32	20
ID33	21
ID34	22
ID35	23
ID36	24
ID37	25
ID38	26
ID39	27
ID40	28
ID41	29
ID42	2A
ID43	2B
ID44	2C
ID45	2D

ID	Hexadecimal (1 byte)
ID46	2E
ID47	2F
ID48	30
ID49	31
ID50	32
ID51	33
ID52	34
ID53	35
ID54	36
ID55	37
ID56	38
ID57	39
ID58	3A
ID59	3B
ID60	3C
ID61	3D
ID62	3E
ID63	3F
ID64	40
Group A	80
Group B	81
Group C	82
Group D	83

ID	Hexadecimal (1 byte)
Group E	84
Group F	85
Group G	86
Group H	87
Group I	88
Group J	89
Group K	8A
Group L	8B
Group M	8C
Group N	8D
Group O	8E
Group P	8F
Group Q	90
Group R	91
Group S	92
Group T	93
Group U	94
Group V	95
Group W	96
Group X	97
Group Y	98
Group Z	99

3.1. Lens Control

Hexadecimal	02h	*1	B1h	7Ch	*2	*3	*4	03h
Remarks	STX	ID	Command		Parameters			ETX

■ Parameters (*2)

	LENS SHIFT H	LENS SHIFT V	LENS FOCUS	LENS ZOOM
Hexadecimal	00h	01h	02h	03h

■ Parameters (*3)

	Slowly	Normal	Fast
Hexadecimal	00h	01h	02h

■ Parameters (*4)

	Right / Up / Forward / In	Left / Down / Backward / Out
Hexadecimal	00h	01h

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*5	B3h	7Ch	*2	*3	*4	03h
	STX	ID	Callback		Parameters			ETX

In the period when the command cannot be accepted

Hexadecimal	02h	*5	FFh	03h
	STX	ID	Error	ETX

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	×	○	○	○	○	○

3.2. SELF CHECK Information

Hexadecimal	02h	*1	FEh	03h
Remarks	STX	ID	Command	ETX

■ Response (Callback)

In the period when the command can be accepted

Hexadecimal	02h	*5	FEh	*2	*3	*4	*5	*6	*7	*8	*9	03h
	STX	ID		Parameters 1				Parameters 2				ETX

Acceptability

SECURITY	STNDBY	NO SIGNAL	SHUTTER	FREEZE	TEST PATTERN	REMOTE2
○	○	○	○	○	○	○

■ Parameters 1 (*2, *3, *4, *5)

	*2								*3								*4								*5							
Bit	31							24	23							16	15							8	7							0

Bit	Name	Description	Condition of Clear Bit
bit31	Main CPU error	The main CPU circuit is abnormal. It is a breakdown when not recovering even if the power is turned on again.	Power ON
bit30	Fan error	The fan and/or fan drive circuit is abnormal. It is a breakdown when not recovering even if the power is turned on again.	Power ON
bit29	Optical module temperature error	Abnormally high temperature is detected inside this projector and the shutdown has occurred. ・The ventilation holes may be closed. ・The ambient temperature in the place of use may be too high. ・The air filter may accumulate dust.	Power ON
bit28	Intake air temperature error		Power ON
bit27	Lamp surroundings temperature error		Power ON
bit26	For extension	The value is undefined.	–
bit25	Lamp 2 ON time error (Shutdown)	The lamp ON time exceeds specified cumulative usage time, and becomes a period when the lamp unit is replaced.	Lamp 2 reset
bit24	Lamp 1 ON time error (Shutdown)		Lamp 1 reset
bit23	Lamp 2 ON failure	It fails in the turning ON the lamp. ・The power may have been turned on straight away after it was turned off.	Lamp 2 ON success
bit22	Lamp 1 ON failure		Lamp 1 ON success
bit21	Aperture error	Not used in this projector	–
bit20	Shutter error	It fails in the operation of the shutter. It is a breakdown when not recovering even if the power is turned on again.	Power ON
bit19	Optical module temperature sensor disconnected	The thermosensor in this projector has breaking of wire, or connector A10 is disconnected.	MAIN POWER ON
bit18	Intake air temperature sensor disconnected	The intake air thermosensor has breaking of wire, or connector A9 is disconnected.	MAIN POWER ON
bit17	Lamp surroundings temperature sensor disconnected	The lamp surroundings thermosensor has breaking of wire, or connector A11 is disconnected.	MAIN POWER ON
bit16	Warning of battery for clock	It is necessary to replace the battery (CR2032) on the battery holder B2501.	Battery replacement

Bit	Name	Description	Condition of Clear Bit
bit15	Warning of optical module low temperature	The ambient temperature in the place of use may be 0°C or lower. If the temperature inside this projector does not rise within 5 minutes after the turning on the lamp, the shutdown occurs.	・Becomes higher than the warning release temperature during power-on. ・Power ON
bit14	Warning of optical module high temperature	The temperature inside this projector has become high. If the temperature rises any further, the shutdown occurs. ・The ventilation holes may be closed. ・The ambient temperature in the place of use may be too high. ・The air filter may accumulate dust.	・Becomes lower than the warning release temperature during power-on. ・Power ON
bit13	Warning of intake air high temperature		
bit12	Warning of exhaust air or lamp surroundings high temperature		
bit11	For test	The value is undefined.	MAIN POWER ON
bit10	For extension	The value is undefined.	—
bit09	For extension	The value is undefined.	—
bit08	For extension	The value is undefined.	—
bit07	Lamp 2 ON time error	It becomes a period when the lamp unit is replaced. Prepare a new lamp unit. The shutdown will occur within 200 hours.	Lamp 2 reset
bit06	Lamp 1 ON time error		Lamp 1 reset
bit05	For extension	The value is undefined.	—
bit04	For extension	The value is undefined.	—
bit03	For extension	The value is undefined.	—
bit02	Color wheel rotation error	The color wheel and/or color wheel drive circuit is abnormal. It is a breakdown when not recovering even if the power is turned on again.	Power ON
bit01	Cover open error	Does the lamp unit cover open?	Close the lamp unit cover and turn on MAIN POWER.
bit00	For extension	The value is undefined.	—

■ Parameters 2 (*6, *7, *8, *9)
For extension, the value is undefined.